QUARTERLY REPORT
FOR THE
ROCKY FLATS GROUNDWATER PLUME
TREATMENT SYSTEMS

January through March 2000

March 30, 2000

1/53

TABLE OF CONTENTS

	Page
1.0 INTRODUCTION	1
2.0 MOUND SITE PLUME TREATMENT SYSTEM	1
2.1 Project Events	1
2.2 Treatment Effectiveness	1
2.2.1 November 30, 1999 Sampling Event	5
2.2.2 December 28, 1999 Sampling Event	6
2.2.3 January 26, 2000 Sampling Event	7
2.3 Conclusions	7
3.0 EAST TRENCHES PLUME TREATMENT SYSTEM	8
3.1 Project Events	8
3.2 Treatment Effectiveness	8
3.2.1 November 1999 Sampling Event	10
3.2.2 December 1999 Sampling Event	11
3.2.3 January 2000 Sampling Event	11
3.3 Conclusions	11
4.0 SOLAR PONDS PLUME TREATMENT SYSTEM	12
4.1 Project Events	12
4.2 Treatment Effectiveness	14
4.3 Conclusions	16
5.0 REFERENCES	16

APPENDICES

Appendix A. Mound Plume Analytical Data	A
Appendix B. East Trenches Plume Analytical Data	B

TABLES

Table 1. Mound Plume Piezometer Water Levels	3
Table 2. Summary of the November 30, 1999 Sampling Event	5
Table 3. Summary of the December 28, 1999 Sampling Event	6
Table 4. Summary of the January 26, 2000 Sampling Event	7
Table 5. East Trenches Plume Piezometer and Well Water Levels	10
Table 6. November 1999 Sample Results	10
Table 7. December 1999 Sample Results	11
Table 8. January 2000 Sampling Event	11
Table 9. Depth to Groundwater in Solar Ponds System Wells	12
Table 10. Solar Ponds Plume Nitrate Results – Surface Water Locations	15
Table 11. Solar Ponds Plume Analytical Results – Influent and GS13	16

FIGURES

Figure 1. Mound Plume Barrier Wall and Treatment System Locations 2
Figure 2. Mound Plume Treatment System Flow Rates, January through March 2000 3
Figure 3. Mound Plume Sample Locations within the Treatment Cells 4
Figure 4. Mound Plume Treatment Results by Sample Location – November 1999 5
Figure 5. Mound Plume Treatment Results by Sample Location – December 1999 5
Figure 6. Mound Plume Treatment Results by Sample Location – January 2000 7
Figure 7. East Trenches Plume Treatment System Locations 9
Figure 8. East Trenches Plume Treatment System Flow Rates, January through March 2000 10
Figure 9. Solar Ponds Plume Treatment System Locations 13
Figure 10. Water Elevation within Solar Ponds Plume Collection Trench 14
Figure 11. Solar Ponds Plume Treatment System Flow Rates 14

ACRONYM LIST

DOE	Department of Energy
SCFA	DOE Subsurface Contaminant Focus Area
EPA	Environmental Protection Agency
gpm	gallons per minute
ITS	Interceptor Trench System
FY	Fiscal Year
pCi/l	Picocuries per liter
RFCA	Rocky Flats Cleanup Agreement
RFETS	Rocky Flats Environmental Technology Site
RMRS	Rocky Mountain Remediation Services
NPDES	National Pollutant Discharge Elimination System
pCi/ug	PicoCuries per microgram
ug/l	Micrograms per liter
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

Reactive barriers were installed at the Rocky Flats Environmental Technology Site (RFETS) for the Mound Site Plume, the East Trenches Plume and the Solar Ponds Plume. These reactive barriers are designed to protect surface water. These systems were installed near the distal ends of the plumes to intercept groundwater prior to entering surface water and are effective in low flow, low permeability regimes.

This report covers the activity and available data for these treatment systems for the quarter from January through March 2000. Included in this report are the analytical results for samples collected during the previous quarter, which were not available for the last quarterly report.

2.0 MOUND SITE PLUME TREATMENT SYSTEM

The Mound Site Plume Treatment System was designed to collect and treat contaminated groundwater derived from the Mound Site to the Groundwater Action Level Framework Tier 2 level concentrations defined in the Rocky Flats Cleanup Agreement (RFCA) (DOE, 1996). The effectiveness and feasibility of using this type of system on other contaminated groundwater plumes was demonstrated on this project. The Mound Site Plume Treatment System employs innovative technology for the collection and treatment of contaminated groundwater containing chlorinated organic contamination and low levels of radionuclides. The Mound Site Plume System components are shown on Figure 1.

The Mound Site Plume Treatment Project was a cooperative effort between Rocky Flats and the Department of Energy Subsurface Contaminant Focus Area (SCFA), with support from the US Environmental Protection Agency (EPA) SITE Program. Funds were provided by SCFA in Fiscal Year (FY) 2000 for additional sampling beyond that required by the Mound Site Plume Decision Document (DOE 1997).

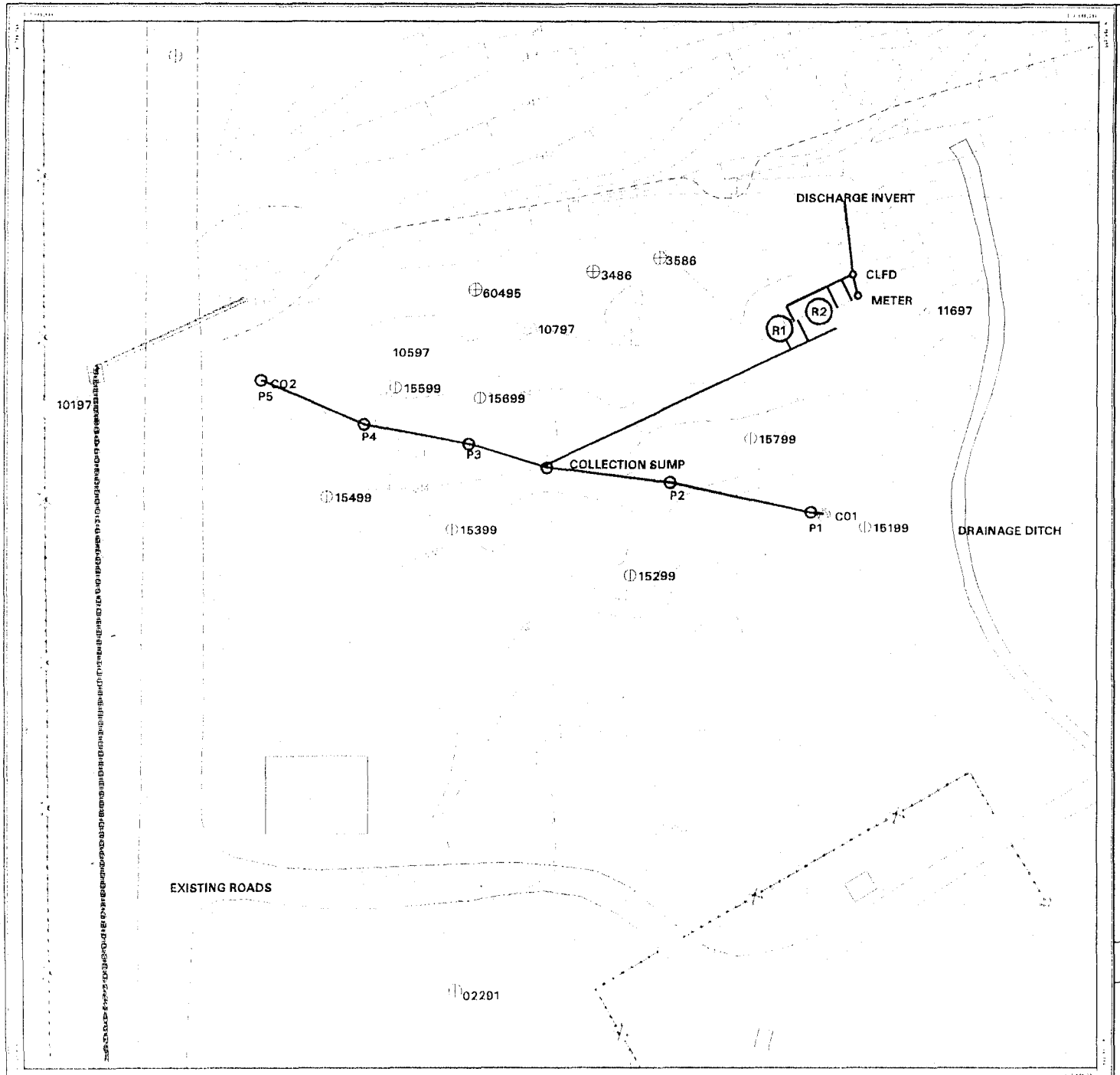
2.1 Project Events

Site personnel continue to rake the iron media in the two treatment cells. Quarterly water level monitoring and sample collection was performed by Tetra Tech for the EPA SITE Program. Monthly water level monitoring and sample collection was performed by the RFETS groundwater sampling team.

Each of the two treatment cells contain 4 feet of iron filings that act as the treatment medium for the contaminated water. The mixture of 10% iron and 90% pea gravel which was added to Reactor 1 on July 19, 1999 is easier to rake than the previous 50/50 mixture of gravel and iron. The media is being raked on a weekly basis and, to date, no additional crust appears to be forming. Probing beneath this layer indicates that a crust is not forming at depth.

2.2 Treatment Effectiveness

Treatment system flow rates for January through March are shown on Figure 2. The total volume of groundwater flow through the system as of March 20 was approximately 405,000 gallons. The volume for January through March was 34,523 gallons. The recorded flow rate ranged from 0.07



BARRIER WALL AND TREATMENT SYSTEM LOCATIONS

Figure 1

Rocky Flats Environmental Technology Site

EXPLANATION

Detailed Key

- New Ground Water Well
- Existing Ground Water Well
- New Trench Water-Level Monitoring Probes
- Geoprobe
- New Trench Cleanout
- Contours
- Fences
- 72" Culvert
- Trench System

Standard Map Features

- Buildings and other structures
- Lakes and ponds
- Streams, ditches, or other drainage features
- Paved roads
- Dirt roads

DATA SOURCE:
Source for all Detailed Key layers except the new groundwater wells is International Technology Corporation (IT) prepared for MSE Technology Applications, Inc in Butte, Montana.

Buildings, fences, hydrography, roads and other structures from 1994 aerial fly-over data captured by EG&G RSL, Las Vegas. Digitized from the orthophotographs. 1/95

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

RMRS Rocky Mountain Remediation Services, L.L.C.
Geographic Information Systems Group
Rocky Flats Environmental Technology Site
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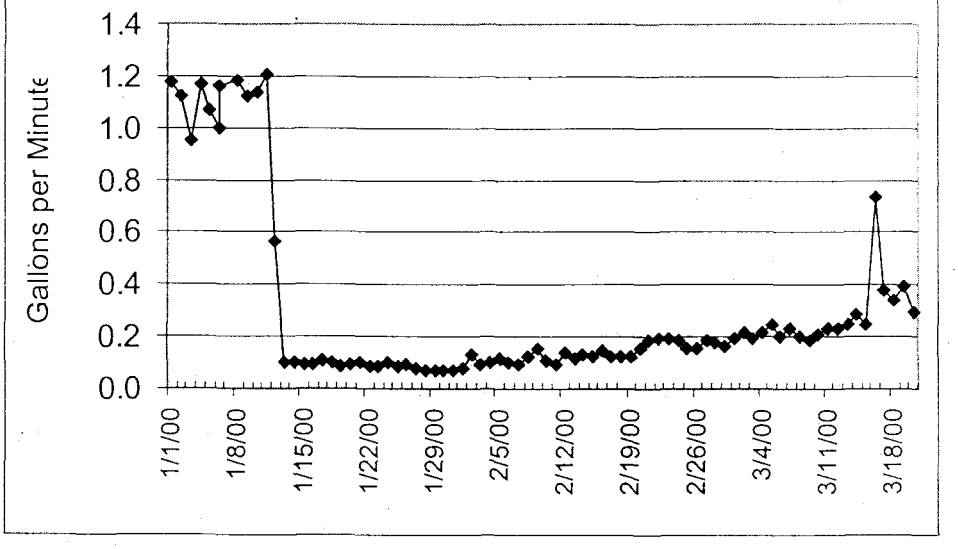
MAP ID 99-022 Accession

March 23, 2000

Figure 2: Mound Plume Treatment System Flow Rates, January through March 2000



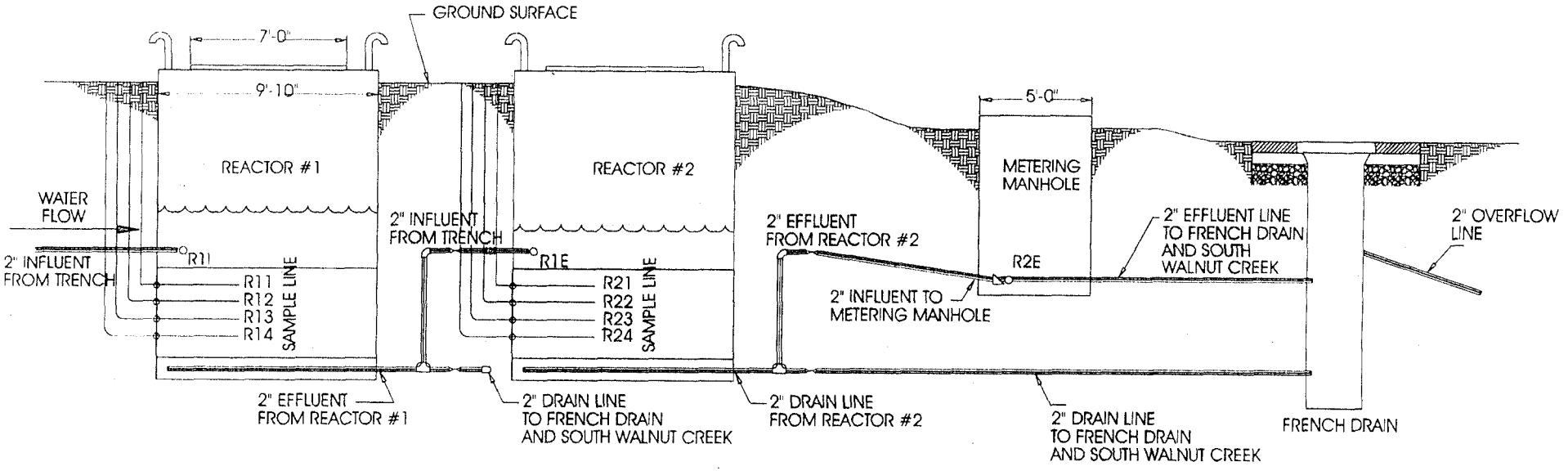
to 1.2 gallons per minute (gpm). The higher flow rates in January may indicate a temporary problem within the flow meter. The flow meters are now more closely monitored. The January average flow rate was 0.47 gpm, the February average flow rate was 0.14 gpm and the March average flow rate was 0.27 gpm. Water levels within the collection trench are monitored at five piezometers and were measured monthly. Water levels in the piezometers upgradient and downgradient of the collection trench were measured quarterly. Locations are shown on Figure 1 with the results shown in Table 1. The water levels in the collection trench piezometers remained constant for this time period.

Table 1. Mound Plume Piezometer Water Levels (in feet below top of casing)

Trench Piezometers				**Upgradient/Downgradient Piezometers**		
	1/27/00	2/9/00	3/8/00		1/3/00	1/25/00
16199 (East)	Dry	Dry	Dry	15199	7.07	NM
16299	11.97	11.96	11.97	15299	11.18	NM
16399	9.45	9.44	9.45	15399	4.5	NM
16499	9.51	9.49	9.50	15499	4.13	NM
16599 (West)	12.46	12.47	12.46	15599	Dry	NM
Downgradient Well				15699	9.57	9.63
	1/3/00	2/2/00	3/1/00	15799	10.80	10.80
3586	8.08	8.10	7.98			

NM = Not measured

Analytical results for the November 30, 1999, December 28, 1999 and January 27, 2000 sampling events were received this quarter. The results indicate that most of the volatile organic compounds (VOCs) and radionuclides are removed within the first two feet of reactive iron. Figure 3 shows the sampling locations within the treatment cells. Samples were not collected within the second treatment cell because of the efficiency with which the first treatment cell is removing contaminants. The sample results received this quarter are provided in Appendix A. Data have not been verified or validated and a data quality assessment has not been conducted.



LEGEND

- REACTIVE IRON
- o SAMPLE LOCATION
- WATER LINE
- SAMPLE LINE

NOT TO SCALE

Figure 3
Sample locations within the Treatment Cells

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99-03 18

2.2.1 November 30, 1999 Sampling Event

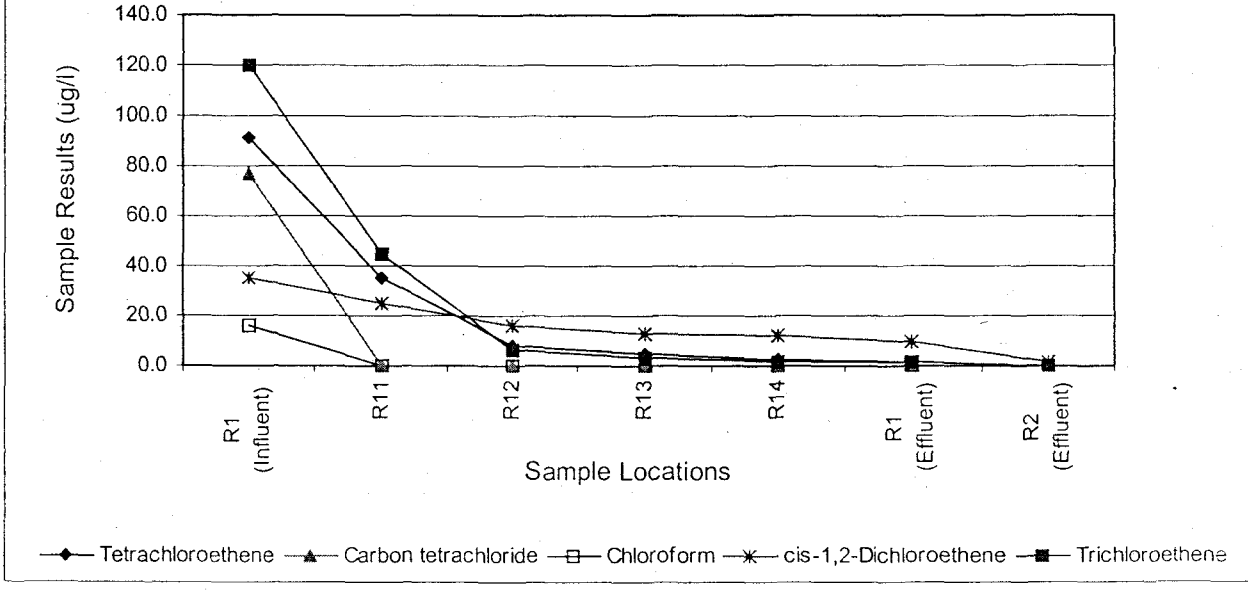
The influent contaminant concentrations were significantly reduced by the time the treated water leaves the system as shown in Table 2 and Figure 4. Most of the volatile organic compound contaminants are removed in the first treatment cell within the first two feet of the reactive media, and all contaminants are reduced below action levels at the effluent from the first reactor cell. The contaminants are generally not detectable at the effluent from the second reactor cell.

Table 2. Summary of the November 30, 1999 Sampling Event

Contaminant	Influent (R1I) Concentration (ug/l)	Effluent from Reactor 1 (R1E) Concentrations (ug/l)	Effluent from Reactor 2 (R2E) Concentrations (ug/l)	RFCA Groundwater Tier 2 Action levels (ug/l)
Trichloroethene	120	1.4	ND	5
Tetrachloroethene	91	1.9	ND	5
Carbon Tetrachloride	76.8	ND	ND	5
Chloroform	16	0.1	ND	100
Cis 1,2-Dichloroethene	35	10	1.8	70
1,1,1-Trichloroethane	6.2	ND	ND	200
1,1-Dichloroethene	8.4	1.1	ND	7
Total Uranium	12.2	0.04	NS	10 pCi/l (15 ug/l)

ND = Not detected at the detection limit for this analysis
NS = Not sampled at this location

Figure 4. Mound Plume Treatment Results By Sample Location, November 1999



Total uranium at the influent to the first treatment cell was 12.2 ug/l and declined to 0.04 ug/l at the effluent from the first treatment cell (Table 2). Using a conversion factor of 0.677 picoCuries per microgram (pCi/ug) provided by the laboratory that performed the analysis, these values equate to 8.14 pCi/l at the influent sample location and 0.03 pCi/l at the effluent sample location, well below Tier 2 action levels.

2.2.2 December 28, 1999 Sampling Event

The influent contaminant concentrations were significantly reduced by the time the treated water leaves the system as shown in Table 3 and Figure 5. Most of the volatile organic compound contaminants are removed in the first treatment cell within the first two feet of the reactive media, and all contaminants are reduced below action levels at the effluent from the first reactor cell. The contaminants are generally not detectable at the effluent from the second reactor cell, however, the detection limits for this sampling event were generally 5 ug/l.

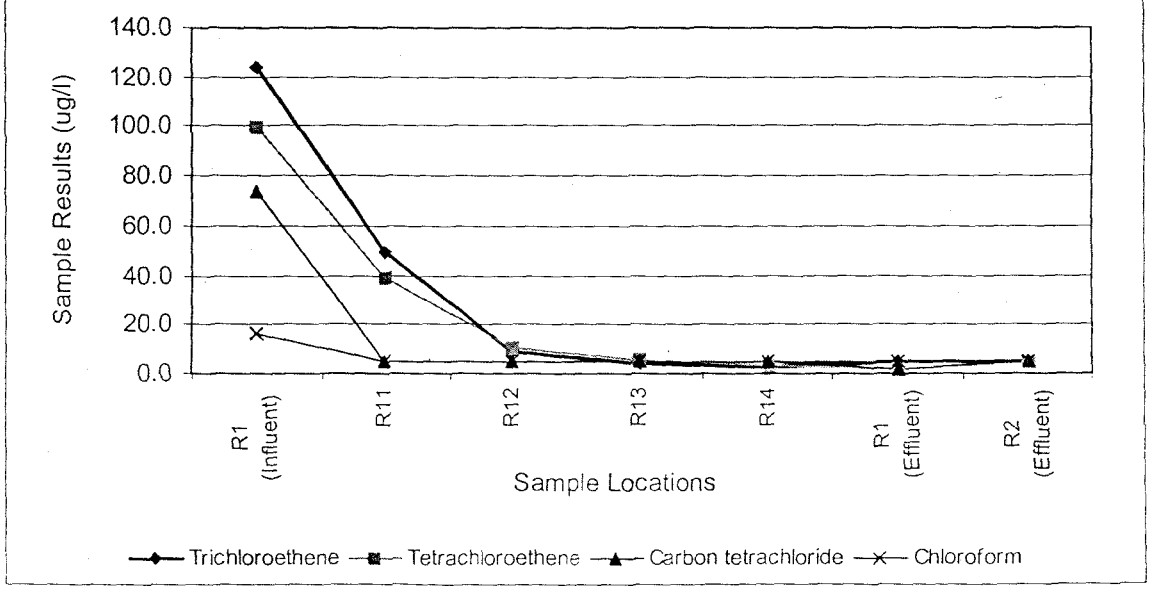
Table 3. Summary of the December 28, 1999 Sampling Event

Contaminant	Influent (R1I) Concentration (ug/l)	Effluent from Reactor 1 (R1E) Concentrations (ug/l)	Effluent from Reactor 2 (R2E) Concentrations (ug/l)	RFCA Groundwater Tier 2 Action levels (ug/l)
Trichloroethene	124	ND	ND	5
Tetrachloroethene	99.2	2 J	ND	5
Carbon Tetrachloride	73.9	1.4 J	ND	5
Chloroform	16.3	ND	ND	100
Total Uranium	12.6	0.336	NS	10 pCi/l (15 ug/l)

ND = Not detected at the detection limit for this analysis
J = Detected at concentrations below the detection limit for this analysis
NS = Not sampled at this location

Total uranium at the influent to the first treatment cell was 12.6 ug/l and declined to 0.34 ug/l at the effluent from the first treatment cell (Table 3). Using a conversion factor of 0.677 picoCuries per microgram (pCi/ug) provided by the laboratory that performed the analysis, these values equate to 8.4 pCi/l at the influent sample location and 0.22 pCi/l at the effluent sample location, well below Tier 2 action levels. While the effluent sample appears higher than in similar sampling events, the duplicate sample was below detection limits.

Figure 5. Mound Plume Treatment Results By Sample Location, December 1999



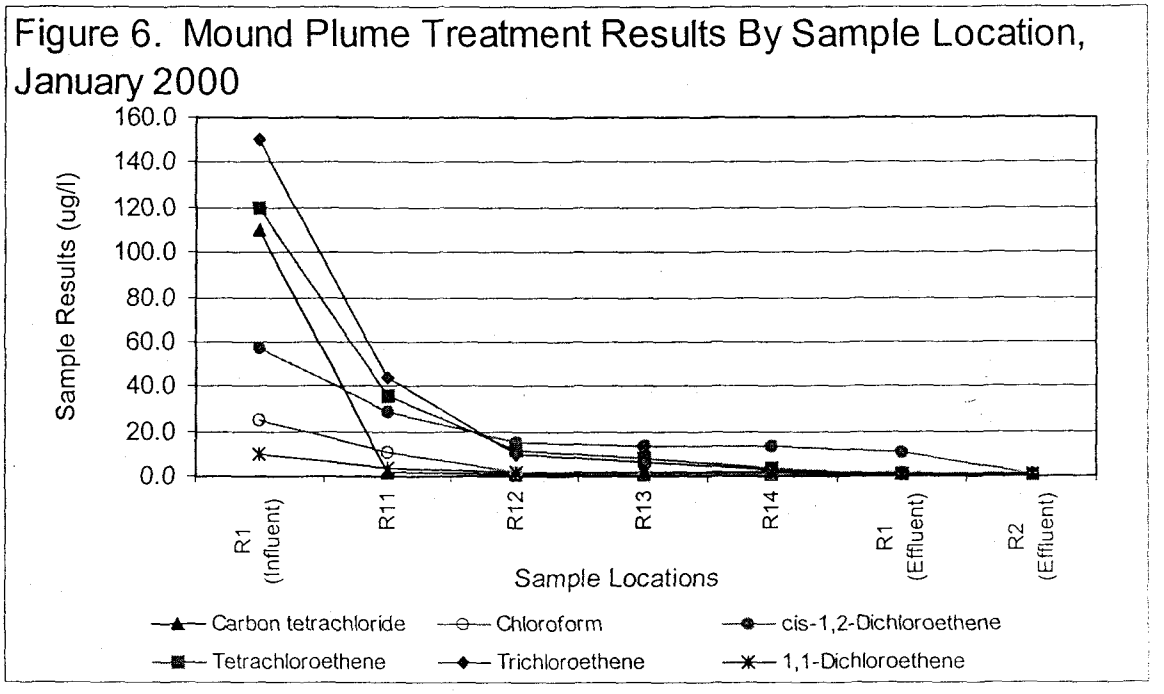
2.2.3 January 26, 2000 Sampling Event

The influent contaminant concentrations were significantly reduced by the time the treated water leaves the system as shown in Table 4 and Figure 6. Most of the volatile organic compound contaminants are removed in the first treatment cell within the first two feet of the reactive media, and all contaminants are reduced below action levels at the effluent from the first reactor cell. Contaminants are generally not detectable at the effluent from the second reactor cell. Uranium activities have not yet been received from the laboratory for this event.

Table 4. Summary of the January 26, 2000 Sampling Event

Contaminant	Influent (R1I) Concentration (ug/l)	Reactor 1 Effluent (R1E) Concentration (ug/l)	Reactor 2 Effluent (R2E) Concentration (ug/l)	RFCA Groundwater Tier 2 Action Levels (ug/l)
Trichloroethene	150	ND	ND	5
Tetrachloroethene	120	ND	0.1 J	5
Carbon Tetrachloride	110	ND	ND	5
Chloroform	25	2.0	ND	100
Cis 1,2-Dichloroethene	57	3	1	70
1,1-Dichloroethene	10	ND	ND	7
Total Uranium	NR	NR	NR	10 pCi/l

ND = Not detected at the detection limit for this analysis
J = Detected at concentrations below the detection limit for this analysis
NR = Analyses not yet received



2.3 Conclusions

The Mound Site Plume Treatment Project is fully operational and treating contaminated groundwater below specified system performance requirements. Ongoing maintenance, raking the iron media and retrieving flow rate and water level data are the only required activities.

Monthly sampling will continue to verify the performance of the treatment system. For the next quarter, no changes in the system are expected.

3.0 EAST TRENCHES PLUME TREATMENT SYSTEM

The East Trenches Plume Treatment System collects and treats the contaminated groundwater from Trench 3 and Trench 4 to the Groundwater Action Level Framework Tier 2 level concentrations defined in the RFCA (DOE, 1996). The sources for the contaminated groundwater plume were remediated in 1996 as an accelerated action.

Installation of the 1,200-foot long collection system along with the two reactive iron treatment cells was completed in September 1999 and the components of the system are shown on Figure 7. The system is similar to the collection and treatment system installed for the Mound Plume. This system requires little maintenance, and will provide long-term protection of surface water by collecting and treating the contaminated groundwater before it reaches South Walnut Creek.

3.1 Project Events

Raking of the iron media in the two treatment cells began during installation of the system and continues on a weekly basis. Maintenance of the system along with water level monitoring and sample collection are performed by Rocky Flats staff.

3.2 Treatment Effectiveness

Analytical samples are collected monthly at the influent and effluent of the treatment system to monitor treatment effectiveness. Sample results were received this quarter for the November 1999, December 1999 and January 2000 sampling events.

The contaminants of concern for this plume are primarily trichloroethene, tetrachloroethene and carbon tetrachloride. These are reduced to below detection limit concentrations at the effluent from the treatment system. Cis-1,2-dichloroethene is present in all influent samples, but at slightly elevated concentrations in the effluent. It is a reductive dechlorination product of trichloroethene. Concentrations are still well below RFCA Tier 2 action levels. Methylene chloride is found in the influent and continues to be above action levels in all three effluent samples, but also occurs in the laboratory blanks. As the concentrations are less than 10 times the detection limit, the presence of methylene chloride is probably due to laboratory contamination. Details of these sampling events are provided below.

Treatment system flow rates for January through March are shown on Figure 8. Total flow volume through the system as of March 21, 2000 was approximately 1,831,500 gallons with total flow for the period January through March approximately 672,500 gallons. The recorded flow rate from the treatment system ranged from 5 to 7 gpm and averaged 5.8 gpm.

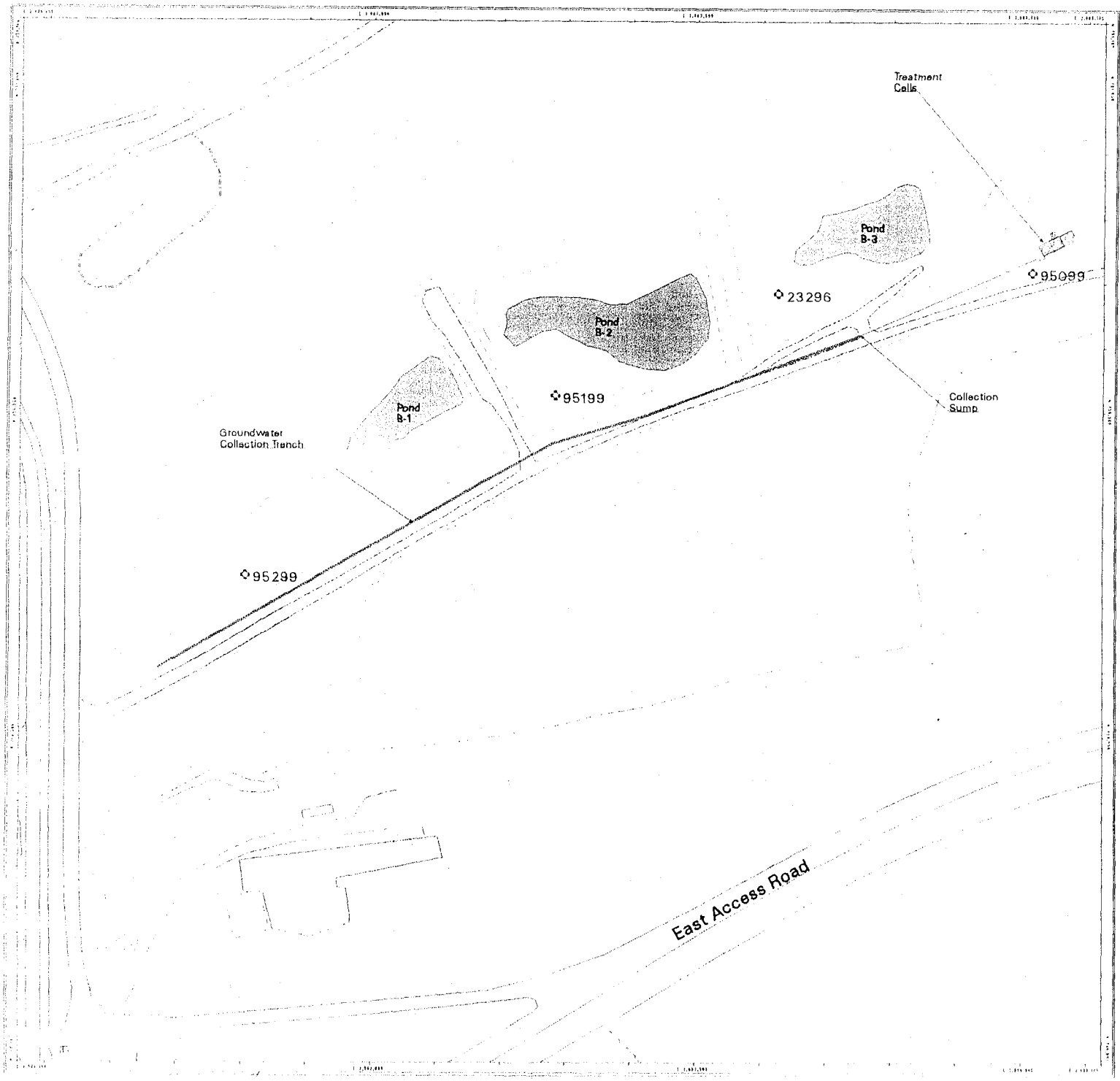


Figure 7
East Trenches Plume Treatment System Locations

EXPLANATION

Surface Water Drainage

Collection Trench

Monitoring Well

Standard Map Features

Buildings and other structures

Lakes and ponds

Streams, ditches, or other drainage features

Fences and other barriers

Contour (5-Foot)

Paved roads

Dirt roads

Scale = 1 : 2580
1 inch represents 215 feet

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD27

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Rocky Flats Environmental Technology Site

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MAP ID: 2k-0184

March 27, 2000

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Figure 8. East Trenches Plume Treatment System Flow Rates, January through March 2000

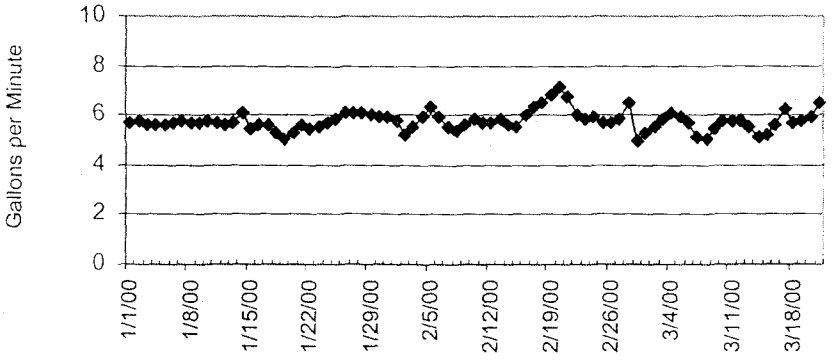

Table 5. East Trenches Plume Piezometer and Well Water Levels (in feet below top of casing)

Trench Piezometers				Groundwater Wells			
	1/3/00	2/2/00	3/1/00		1/3/00	2/2/00	3/1/00
95699 (East)	Dry	Dry	Dry	95099	13.7	13.68	13.86
95799	10.18	11.6	11.85	95199	9.82	10.14	10.4
95899	20.72	20.86	20.90	95299	Dry	Dry	Dry
				23296	5.45	5.41	5.40

NM = Not measured

3.2.1 November 1999 Sampling Event

Samples were collected on November 16, 1999 from the influent and effluent of the treatment system to verify that the water collected and treated was meeting action levels and analytical results are shown in Table 6. All contaminants were reduced to levels below the RFCA Action Levels with the exception of methylene chloride, which was above action levels in the effluent and also occurs in the laboratory blanks. As the concentrations are less than 10 times the detection limit, the presence of methylene chloride is probably due to laboratory contamination.

Table 6. November 1999 Sample Results

Compound	Influent Concentration (ug/l)	Effluent Concentration (ug/l)	RFCA Groundwater Tier 2 Action Levels (ug/l)
Trichloroethene	3,600	2 J	5
Tetrachloroethene	300	ND	5
Carbon Tetrachloride	150 J	ND	5
Chloroform	110 J	13	100
Cis-1,2-Dichloroethene	31	33 E	70
Methylene chloride	95 B	12 B	5

J = Detected at concentrations below the detection limit for this analysis
B = Detected in blank
ND = Not detected at the detection limit for this analysis
E = Detected above calibration limit for analysis

3.2.2 December 1999 Sampling Event

The treatment system was sampled December 6, 1999. Results are provided in below in Table 7 and in Appendix B. All contaminants were reduced to levels below the RFCA Action Levels with the exception of methylene chloride, which was above action levels in the effluent and also occurs in the laboratory blanks. As the concentrations are less than 10 times the detection limit, the presence of methylene chloride is probably due to laboratory contamination.

Table 7. December Sample Results

Compound	Influent Concentration (ug/l)	Effluent Concentration (ug/l)	RFCA Groundwater Tier 2 Action Levels (ug/l)
Trichloroethene	3,200	2 J	5
Tetrachloroethene	280	ND	5
Carbon Tetrachloride	170	ND	5
Chloroform	100	16	100
Cis-1,2-Dichloroethene	25 J	38	70
Methylene chloride	130 B	11 B	5

B = Detected in blank
J = Detected below the detection limit for analysis
U = Analyte not detected at detection limit

3.2.3 January 2000 Sampling Event

Site personnel collected samples on January 18, 2000. The influent contaminant concentrations were significantly reduced by the time the treated water leaves the system as shown in Table 8. Contaminants are generally not detectable at the effluent from the second reactor cell. Methylene chloride is present in the effluent above the action levels, and also occurs in the laboratory blanks. As the concentrations are less than 10 times the detection limit, the presence of methylene chloride is most likely a result of laboratory contamination.

Table 8. January 2000 Sample Results

Compound	Influent Concentration (ug/l)	Effluent Concentration (ug/l)	RFCA Groundwater Tier 2 Action Levels (ug/l)
Trichloroethene	3,500	1 J	5
Tetrachloroethene	320	ND	5
Carbon Tetrachloride	200	ND	5
Chloroform	110	ND	100
Cis-1,2-Dichloroethene	29 J	32	70
Methylene chloride	48 JB	12 B	5

B = Detected in blank
J = Detected below the detection limit for analysis
ND = Not detected at the detection limit for this analysis

3.3 Conclusions

The East Trenches Plume Treatment System is fully operational and treating contaminated groundwater to below the specified system performance requirements. Ongoing maintenance, raking the iron filings and retrieving flow rate and water level data are the only required activities. Monthly sampling will continue to verify the performance of the treatment system. For the next quarter, no changes in the system are expected.

4.0 SOLAR PONDS PLUME TREATMENT SYSTEM

The Solar Ponds Plume is a plume of low-level nitrate and uranium contaminated groundwater, derived from storage and evaporation of radioactive and hazardous liquid wastes in the Solar Evaporation Ponds. These ponds were drained and sludge removal was completed in 1995. To dewater the hillside, six interceptor trenches were installed in 1971. The original six trenches were abandoned in place and the Interceptor Trench System (ITS) was installed in 1981. Installation of the 1,100-foot long collection system and passive treatment cell containing iron and wood chips was completed in September 1999 and the components of the system are shown on Figure 9. This system intercepts the water collected by the pre-existing ITS.

The maintenance requirements for the wood chip/iron media consist of water level monitoring and sample collection which are performed by Rocky Flats staff. Raking or other manipulation of the media is not expected to be required based on information from other, similar systems. Media replacement is expected to be required in 10 years.

The Solar Ponds Plume system is different from the passive, flow-through systems installed for the Mound Plume and East Trenches Plume. As originally designed, the treatment cell was located near North Walnut Creek. Water was expected to be intercepted and flow by gravity to the treatment cell without retention in the collection trench. Because the Preble's Meadow Jumping Mouse (a Federally Listed Threatened Species) is present at the optimal location of a flow-through treatment cell, the treatment cell was located immediately adjacent to the collection trench, not 400 feet downgradient as was originally planned. As a result, the collection trench for this system must hold approximately 11 feet of groundwater to develop sufficient hydraulic head for the groundwater to flow into the treatment cell.

4.1 Project Events

The Solar Ponds Plume system is currently collecting nitrate and uranium-contaminated groundwater from the Solar Ponds Plume. However, water is being lost from the collection trench and reaching surface water, causing a rise in nitrate and uranium levels in North Walnut Creek. While the RFCA Surface Water Action Level for nitrate is 100 mg/l, during the January discharge of water from Pond A-3, the NPDES 30-day average 10 mg/l nitrate limitation for the Pond A-3 Outfall was exceeded. Investigation into the cause of the water loss is proceeding. Utility drawings were re-examined, but water loss along utilities including the storm drain immediately west of the collection trench is unlikely.

Water levels from the new Solar Ponds monitoring wells provide the most details. Other wells are not close enough for evaluating the cause of the water loss. Depth to water are provided in the below and well locations are shown on Figure 9.

Table 9. Depth to Groundwater in Solar Ponds System Wells (in feet below top of casing)

Well	1/3/00	2/2/00	3/1/00
70099	20.11	19.55	19.06
70299	20.48	20.35	20.41

Discharge of Pond A-4 occurred at the end of February. The Pond A-4 Outfall is a Point-of-Compliance for uranium, and there was a concern that uranium activities may approach the Surface Water Action Level of 10 pCi/l due to the discharge of Solar Ponds Plume water into this

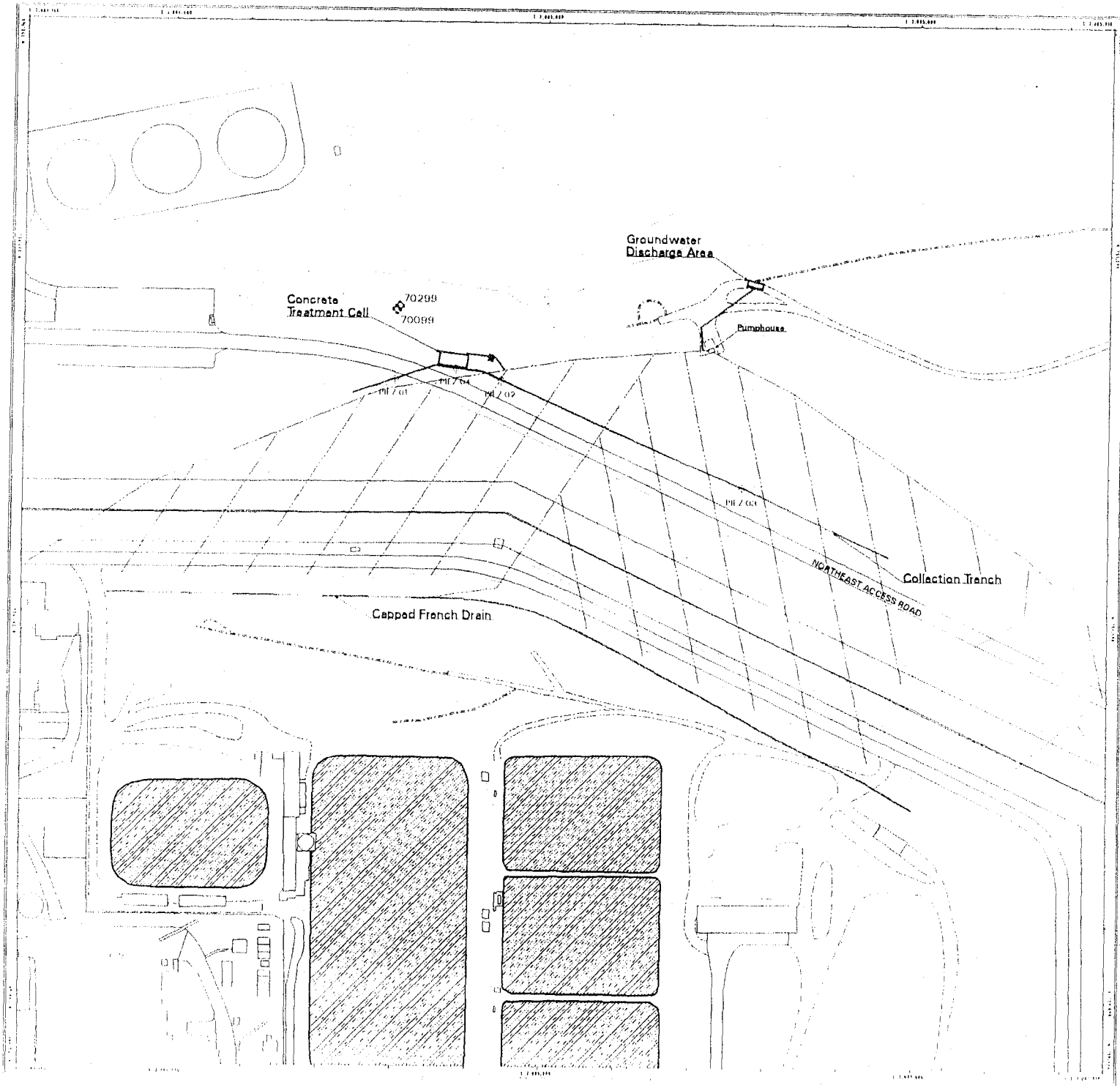

Figure 9
Solar Ponds Plume Treatment System Locations

EXPLANATION

- IRS
- In Trench Piezometer Location
- Monitoring Well

Standard Map Features

- Buildings and other structures
- Solar Evaporation Ponds (SEP)
- Lakes and ponds
- Streams, ditches, or other drainage features
- Fences and other barriers
- Contour (5-Foot)
- Paved roads
- Dirt roads

Scale = 1 : 2710
1 inch represents approximately 226 feet

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD27

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MAP ID: 2K-0184

March 27, 2000

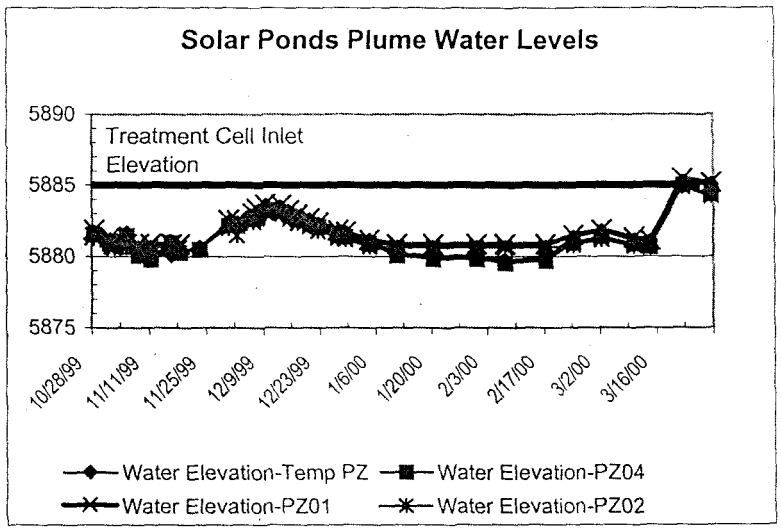
NT_Svr w:/projects/fy2k/2k-0184/solar_pond.aml

16

drainage. However, samples collected during discharge contained uranium activities of approximately 3 pCi/l, well below the action levels.

Groundwater levels in the collection trench rise in response to precipitation. The precipitation that occurred in mid- to late-March resulted in flow into the treatment cell. However, as shown on Figure 10, instead of constantly rising, the groundwater levels within the collection trench are fluctuating. The piezometers were resurveyed to obtain more accurate water levels.

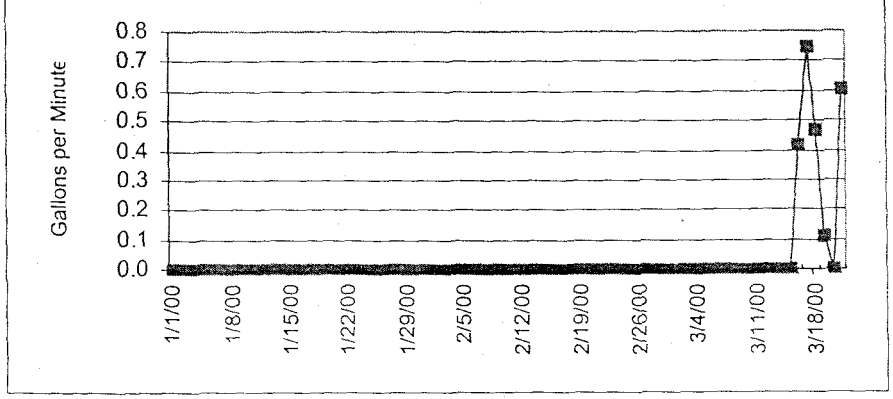
Figure 10. Solar Ponds Plume Collection Water Levels, October to March



4.2 Treatment Effectiveness

Groundwater recently was verified to flow into the treatment cell and a sufficient sample for a nitrate analysis was collected from the effluent at the end of March. The treatment system flow rates for January through March are shown on Figure 8. Flow was first noted on March 16, and by March 21, the total flow volume was approximately 3,400 gallons. The recorded flow rate from the treatment system ranged from 0 to 0.7 gpm and averaged 0.1 gpm during flow periods.

Figure 11. Solar Ponds Plume Treatment System Flow Rates, January through March 2000



Analytical samples are collected from the treatment cell influent location monthly, and the North Walnut Creek surface water location GS13 and Pond A-3 are currently monitored frequently as shown on Tables 9 and 10. Nitrate concentrations in North Walnut Creek (GS13 location) are currently in the 20 to 30 mg/l range. Nitrate concentrations in Pond A-3 are fluctuating between 10 to 20 mg/l with an average around 12 mg/l. The field nitrate values are collected to provide an early indication if a surface water standard might be exceeded, however as shown in the table below, the field nitrates only provide an order-of magnitude indication of nitrate concentrations. The RFCA Surface Water Action Level for nitrate is 100 mg/l and this is the action level stated in the Solar Ponds Plume Decision Document (DOE 1999). However, as previously noted, the NPDES nitrate limitation at Pond A-3 Outfall is 10 mg/l. The new NPDES permit, currently out for public comment, is expected to remove this limitation.

Table 10. Solar Ponds Plume Nitrate Results – Surface Water Locations

Date Sampled	GS 13 Nitrate – Field method (mg/l)	GS13 Nitrate – laboratory analysis (mg/l)	Pond A-3 Nitrate – Field method (mg/l)	Pond A-3 Nitrate – laboratory analysis (mg/l)
December 7, 1999	7.5	13	6.3	6.3
December 9, 1999	1.3	20	<0.01	8.1
December 14, 1999	8.7	24	4.8	7.8
December 15, 1999	9.8	32	4.8	10
December 20, 1999	9.4	29	8.4	9.5
December 22, 1999	10.5	24	8.4	9.8
December 27, 1999	12.3	24	7.1	8.9
December 29, 1999	14.9	25	7.3	7.2
January 6, 2000	9.9	34	-	12
January 13, 2000	6	29	5.4	11
January 18, 2000	15.2	-	10.2	-
January 20, 2000	11.8	39	10.2	12
January 24, 2000*	-	-	9.9	16
January 25, 2000*	-	-	8.3	12
January 26, 2000*	-	-	11.8	20
January 27, 2000*	9.4	26	9.4	18
January 28, 2000*	-	-	7.4	12
February 3, 2000	11.6	25	4.7	13
February 10, 2000	10.5	34	6.2	14
February 17, 2000	10.9	28	7.5	12
February 24, 2000	11.7	23	9.1	14
February 29, 2000	11.2	23	6.5	13
March 9, 2000	12.7	24	6.5	11

* = Samples collected during discharge of Pond A-3
- = not sampled

Field nitrate measurements were collected sporadically at several locations with the results as follows:

- 12/28/99 Discharge gallery-280 mg/l, ITS Sump-39 mg/l and ITS Seep-26 mg/l
- 2/29/00 Discharge gallery-242 mg/l
- 3/9/00 Discharge gallery-152 mg/l
- 3/16/00 Discharge gallery-107 mg/l
- 3/27/00 Discharge gallery-206 mg/l

These data indicate that the water discharging into North Walnut Creek is a result of water from the Solar Ponds Plume, while the water in the ITS Sump and nearby seep are not derived from the same water source. The ITS Sump was examined this quarter and several small openings were

noted that contribute small quantities of relatively clean water into the Sump. These openings are probably related to the finger drains noted during construction that were used for draining the hillside before installation of the ITS. The water level in the Sump is rising, and this water may eventually overflow, contributing cleaner water to the discharge gallery area.

Table 11. Solar Ponds Plume Analytical Results – Influent and GS13

Date Sampled and Compound	Influent	GS13	RFCA Surface Water Action Levels
December 30, 1999			
Nitrate – Field method (mg/l)	154	-	100
Nitrate – laboratory analysis (mg/l)	170	-	100
Uranium 233,234 (pCi/l)	13.0 ± 1.78	3.7 ± 0.72	10*
Uranium 235 (pCi/l)	0.43 ± 0.26	0.19 ±0.16	10*
Uranium 238 (pCi/l)	10.1 ± 1.49	4.10 ± 0.77	10*
Total Uranium (calculated)	23.53	8	10
January 27, 2000			
Nitrate – Field method (mg/l)	102	9.4	100
Nitrate – laboratory analysis (mg/l)	160	26	100
Uranium 233,234 (pCi/l)	15.9 ± 2.3	3.01 ± 0.64	10*
Uranium 235 (pCi/l)	0.73 ± 0.39	0.04 ±0.11	10*
Uranium 238 (pCi/l)	11 ± 1.76	3.74 ± 0.73	10*
Total Uranium (calculated)	27.63	6.79	10

* Total Uranium action level

4.3 Conclusions

The start of the high precipitation season resulted in flow into the treatment cell as anticipated. The system will be evaluated during this season (second quarter 2000). Nitrate and uranium concentrations in North Walnut Creek are still below the RFCA action levels and below the decision point values specified in the Decision Document (DOE 1999). However, pumping the groundwater from the collection trench to the treatment cell is being evaluated if required to protect surface water.

5.0 REFERENCES

DOE, 1996, *Final Rocky Flats Cleanup Agreement*, Rocky Flats Environmental Technology Site, Golden, CO, July.

DOE, 1997, *Final Mound Site Plume Decision Document*, RF/RMRS-97-024, September.

DOE, 1999, *Final Solar Ponds Plume Decision Document*, RF/RMRS-98-286.UN, June.

Appendix A – Mound Plume Analytical Data

Sample Number/Location	Collection Date	Compound	Result	Units
ETI-R10-S-01-122899	28-Dec-99	1,2-Dichloroethane	.72 DJ	ug/L
ETI-R10-S-01-122899	28-Dec-99	1,1-Dichloroethane	1.5 DJ	ug/L
ETI-R10-S-01-122899	28-Dec-99	Trichloroethene	124 D	ug/L
ETI-R10-S-01-122899	28-Dec-99	Chloroform	17.1 D	ug/L
ETI-R10-S-01-122899	28-Dec-99	1,1,1-Trichloroethane	5.8 DJ	ug/L
ETI-R10-S-01-122899	28-Dec-99	1,1-Dichloroethene	7.9 DJ	ug/L
ETI-R10-S-01-122899	28-Dec-99	Carbon tetrachloride	78.9 D	ug/L
ETI-R10-S-01-122899	28-Dec-99	Tetrachloroethene	98.2 D	ug/L
ETI-R11-S-01-122899	28-Dec-99	Tetrachloroethene	40.1	ug/L
ETI-R11-S-01-122899	28-Dec-99	Trichloroethene	47.6	ug/L
ETI-R11-S-01-122899	28-Dec-99	Chloroform	.21 J	ug/L
ETI-R11-S-01-122899	28-Dec-99	1,2-Dichloroethane	.56 J	ug/L
ETI-R11-S-01-122899	28-Dec-99	Carbon disulfide	.82 J	ug/L
ETI-R11-S-01-122899	28-Dec-99	1,1,1-Trichloroethane	.98 J	ug/L
ETI-R11-S-01-122899	28-Dec-99	1,1-Dichloroethane	2.0 J	ug/L
ETI-R11-S-01-122899	28-Dec-99	1,1-Dichloroethene	4.5 J	ug/L
ETI-R12-S-01-122899	28-Dec-99	Benzene	0.2	ug/L
ETI-R12-S-01-122899	28-Dec-99	1,2-Dichloroethane	0.56	ug/L
ETI-R12-S-01-122899	28-Dec-99	1,1-Dichloroethane	2.1	ug/L
ETI-R12-S-01-122899	28-Dec-99	1,1-Dichloroethene	2.4	ug/L
ETI-R12-S-01-122899	28-Dec-99	Trichloroethene	9.1	ug/L
ETI-R12-S-01-122899	28-Dec-99	Tetrachloroethene	10.3	ug/L
ETI-R13-S-01-122899	28-Dec-99	Carbon disulfide	0.96	ug/L
ETI-R13-S-01-122899	28-Dec-99	Benzene	.19 J	ug/L
ETI-R13-S-01-122899	28-Dec-99	1,2-Dichloroethane	.52 J	ug/L
ETI-R13-S-01-122899	28-Dec-99	1,1-Dichloroethene	1.9 J	ug/L
ETI-R13-S-01-122899	28-Dec-99	1,1-Dichloroethane	2.0 J	ug/L
ETI-R13-S-01-122899	28-Dec-99	Trichloroethene	4.2 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	Benzene	.18 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	1,2-Dichloroethane	.48 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	1,1-Dichloroethene	1.4 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	1,1-Dichloroethane	2.0 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	Trichloroethene	2.3 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	Tetrachloroethene	3.2 J	ug/L
ETI-R1E-S-01-122899	28-Dec-99	Benzene	.18 J	ug/L
ETI-R1E-S-01-122899	28-Dec-99	1,2-Dichloroethane	.45 J	ug/L
ETI-R1E-S-01-122899	28-Dec-99	1,1-Dichloroethene	1.1 J	ug/L
ETI-R1E-S-01-122899	28-Dec-99	Trichloroethene	1.4 J	ug/L
ETI-R1E-S-01-122899	28-Dec-99	1,1-Dichloroethane	1.7 J	ug/L
ETI-R2E-S-01-122899	28-Dec-99	Benzene	.21 J	ug/L
ETI-R2E-S-01-122899	28-Dec-99	1,2-Dichloroethane	.34 J	ug/L
ETI-R2E-S-01-122899	28-Dec-99	1,1-Dichloroethane	1.4 J	ug/L
ETI-R2E-S-01-122899	28-Dec-99	Acetone	2.3 JB	ug/L

Note: Data are not available electronically
Only VOC Detects provided

21

Appendix A -Mound Plume Data January Sampling Event

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-0	1/27/00	1,1,1,2-TETRACHLOROETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,1,1,2-TETRACHLOROETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,1,1,2-TETRACHLOROETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,1,1,2-TETRACHLOROETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,1,1,2-TETRACHLOROETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,1,1,2-TETRACHLOROETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,1,1,2-TETRACHLOROETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,1,1-TRICHLOROETHANE	8	UG/L	J		10	10
MOUND R1-1	1/26/00	1,1,1-TRICHLOROETHANE	1	UG/L	J		2	2
MOUND R1-2	1/26/00	1,1,1-TRICHLOROETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,1,1-TRICHLOROETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,1,1-TRICHLOROETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,1,1-TRICHLOROETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,1,1-TRICHLOROETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,1,2,2-TETRACHLOROETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,1,2,2-TETRACHLOROETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,1,2,2-TETRACHLOROETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,1,2,2-TETRACHLOROETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,1,2,2-TETRACHLOROETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,1,2,2-TETRACHLOROETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,1,2,2-TETRACHLOROETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,1,2-TRICHLOROETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,1,2-TRICHLOROETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,1,2-TRICHLOROETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,1,2-TRICHLOROETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,1,2-TRICHLOROETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,1,2-TRICHLOROETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,1,2-TRICHLOROETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,1-DICHLOROETHANE	3	UG/L	J		10	10
MOUND R1-1	1/26/00	1,1-DICHLOROETHANE	2	UG/L			2	2
MOUND R1-2	1/26/00	1,1-DICHLOROETHANE	3	UG/L			1	1
MOUND R1-3	1/26/00	1,1-DICHLOROETHANE	3	UG/L			1	1
MOUND R1-4	1/26/00	1,1-DICHLOROETHANE	3	UG/L			1	1
MOUND R1-E	1/26/00	1,1-DICHLOROETHANE	2	UG/L			1	1
MOUND R2-E	1/27/00	1,1-DICHLOROETHANE	1	UG/L			1	1
MOUND R1-0	1/27/00	1,1-DICHLOROETHENE	10	UG/L			10	10
MOUND R1-1	1/26/00	1,1-DICHLOROETHENE	4	UG/L			2	2
MOUND R1-2	1/26/00	1,1-DICHLOROETHENE	2	UG/L			1	1
MOUND R1-3	1/26/00	1,1-DICHLOROETHENE	2	UG/L			1	1
MOUND R1-4	1/26/00	1,1-DICHLOROETHENE	2	UG/L			1	1
MOUND R1-E	1/26/00	1,1-DICHLOROETHENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,1-DICHLOROETHENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,1-DICHLOROPROPENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,1-DICHLOROPROPENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,1-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,1-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,1-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,1-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,1-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,2,3-TRICHLOROBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,2,3-TRICHLOROBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,2,3-TRICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,2,3-TRICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,2,3-TRICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,2,3-TRICHLOROBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,2,3-TRICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,2,3-TRICHLOROPROPANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,2,3-TRICHLOROPROPANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,2,3-TRICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,2,3-TRICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,2,3-TRICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,2,3-TRICHLOROPROPANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,2,3-TRICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,2,4-TRICHLOROBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,2,4-TRICHLOROBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,2,4-TRICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,2,4-TRICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,2,4-TRICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,2,4-TRICHLOROBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,2,4-TRICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,2-DIBROMOETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,2-DIBROMOETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,2-DIBROMOETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,2-DIBROMOETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,2-DIBROMOETHANE	1	UG/L	U		1	1

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-E	1/26/00	1,2-DIBROMOETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,2-DIBROMOETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,2-DICHLOROBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,2-DICHLOROBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,2-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,2-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,2-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,2-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,2-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,2-DICHLOROBENZENE-D4	94	%REC				10
MOUND R1-1	1/26/00	1,2-DICHLOROBENZENE-D4	102	%REC				2
MOUND R1-2	1/26/00	1,2-DICHLOROBENZENE-D4	88	%REC				1
MOUND R1-3	1/26/00	1,2-DICHLOROBENZENE-D4	96	%REC				1
MOUND R1-4	1/26/00	1,2-DICHLOROBENZENE-D4	97	%REC				1
MOUND R1-E	1/26/00	1,2-DICHLOROBENZENE-D4	92	%REC				1
MOUND R2-E	1/27/00	1,2-DICHLOROBENZENE-D4	91	%REC				1
MOUND R1-0	1/27/00	1,2-DICHLOROETHANE	1	UG/L	J		10	10
MOUND R1-1	1/26/00	1,2-DICHLOROETHANE	1	UG/L	J		2	2
MOUND R1-2	1/26/00	1,2-DICHLOROETHANE	1	UG/L			1	1
MOUND R1-3	1/26/00	1,2-DICHLOROETHANE	1	UG/L			1	1
MOUND R1-4	1/26/00	1,2-DICHLOROETHANE	1	UG/L			1	1
MOUND R1-E	1/26/00	1,2-DICHLOROETHANE	0.7	UG/L	J		1	1
MOUND R2-E	1/27/00	1,2-DICHLOROETHANE	0.5	UG/L	J		1	1
MOUND R1-0	1/27/00	1,2-DICHLOROPROPANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,2-DICHLOROPROPANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,3-DICHLOROBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,3-DICHLOROBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,3-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,3-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,3-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,3-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,3-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,3-DICHLOROPROPANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,3-DICHLOROPROPANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,3-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,3-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,3-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,3-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	1,3-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	1,4-DICHLOROBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	1,4-DICHLOROBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	1,4-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	1,4-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	1,4-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	1,4-DICHLOROBENZENE	0.1	UG/L	J		1	1
MOUND R2-E	1/27/00	1,4-DICHLOROBENZENE	0.2	UG/L	J		1	1
MOUND R1-0	1/27/00	2,2-DICHLOROPROPANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	2,2-DICHLOROPROPANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	2,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	2,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	2,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	2,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	2,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	4-ISOPROPYLTOLUENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	4-ISOPROPYLTOLUENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	4-ISOPROPYLTOLUENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	4-ISOPROPYLTOLUENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	4-ISOPROPYLTOLUENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	4-ISOPROPYLTOLUENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	4-ISOPROPYLTOLUENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	ALUMINUM	11.6	UG/L	B	V1	4.3	1
MOUND R1-0	1/27/00	ALUMINUM	19.5	UG/L		V1	4.3	1
MOUND R1-1	1/26/00	ALUMINUM	19.3	UG/L		V1	4.3	1
MOUND R1-1	1/26/00	ALUMINUM	20.9	UG/L		V1	4.3	1
MOUND R1-2	1/26/00	ALUMINUM	10.4	UG/L	B	V1	4.3	1
MOUND R1-2	1/26/00	ALUMINUM	17.3	UG/L		V1	4.3	1
MOUND R1-3	1/26/00	ALUMINUM	15.4	UG/L	B	V1	4.3	1
MOUND R1-3	1/26/00	ALUMINUM	13.4	UG/L	B	V1	4.3	1
MOUND R1-4	1/26/00	ALUMINUM	15.9	UG/L	B	V1	4.3	1

Appendix A -Mound Plume Data January Sampling Event

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-4	1/26/00	ALUMINUM	15.3	UG/L	B	V1	4.3	1
MOUND R1-E	1/26/00	ALUMINUM	13.4	UG/L	B	V1	4.3	1
MOUND R1-E	1/26/00	ALUMINUM	16.5	UG/L	B	V1	4.3	1
MOUND R2-E	1/27/00	ALUMINUM	22.8	UG/L		V1	4.3	1
MOUND R2-E	1/27/00	ALUMINUM	16.6	UG/L	B	V1	4.3	1
MOUND R1-0	1/27/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-0	1/27/00	ANTIMONY	0.48	UG/L	B	V1	0.45	1
MOUND R1-1	1/26/00	ANTIMONY	0.62	UG/L	B	V1	0.45	1
MOUND R1-1	1/26/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-2	1/26/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-2	1/26/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-3	1/26/00	ANTIMONY	0.61	UG/L	B	V1	0.45	1
MOUND R1-3	1/26/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-4	1/26/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-4	1/26/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-E	1/26/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-E	1/26/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R2-E	1/27/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R2-E	1/27/00	ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-0	1/27/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-0	1/27/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-1	1/26/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-1	1/26/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-2	1/26/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-2	1/26/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-3	1/26/00	ARSENIC	2	UG/L	B	V1	0.72	1
MOUND R1-3	1/26/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-4	1/26/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-4	1/26/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-E	1/26/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-E	1/26/00	ARSENIC	0.72	UG/L	B	V1	0.72	1
MOUND R2-E	1/27/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R2-E	1/27/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-0	1/27/00	BARIUM	148	UG/L		V1	0.05	1
MOUND R1-0	1/27/00	BARIUM	145	UG/L		V1	0.05	1
MOUND R1-1	1/26/00	BARIUM	29.2	UG/L	B	V1	0.05	1
MOUND R1-1	1/26/00	BARIUM	31.7	UG/L	B	V1	0.05	1
MOUND R1-2	1/26/00	BARIUM	1.2	UG/L	B	UJ1	0.05	1
MOUND R1-2	1/26/00	BARIUM	1.1	UG/L	B	UJ1	0.05	1
MOUND R1-3	1/26/00	BARIUM	2.2	UG/L	B	V1	0.05	1
MOUND R1-3	1/26/00	BARIUM	2.1	UG/L	B	V1	0.05	1
MOUND R1-4	1/26/00	BARIUM	2.1	UG/L	B	V1	0.05	1
MOUND R1-4	1/26/00	BARIUM	2.5	UG/L	B	V1	0.05	1
MOUND R1-E	1/26/00	BARIUM	16.2	UG/L	B	V1	0.05	1
MOUND R1-E	1/26/00	BARIUM	16.7	UG/L	B	V1	0.05	1
MOUND R2-E	1/27/00	BARIUM	16.1	UG/L	B	V1	0.05	1
MOUND R2-E	1/27/00	BARIUM	16.6	UG/L	B	V1	0.05	1
MOUND R1-0	1/27/00	BENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	BENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	BENZENE	0.2	UG/L	J		1	1
MOUND R1-3	1/26/00	BENZENE	0.2	UG/L	J		1	1
MOUND R1-4	1/26/00	BENZENE	0.2	UG/L	J		1	1
MOUND R1-E	1/26/00	BENZENE	0.3	UG/L	J		1	1
MOUND R2-E	1/27/00	BENZENE	0.1	UG/L	J		1	1
MOUND R1-0	1/27/00	BENZENE, 1,2,4-TRIMETHYL	10	UG/L	U		10	10
MOUND R1-1	1/26/00	BENZENE, 1,2,4-TRIMETHYL	2	UG/L	U		2	2
MOUND R1-2	1/26/00	BENZENE, 1,2,4-TRIMETHYL	1	UG/L	U		1	1
MOUND R1-3	1/26/00	BENZENE, 1,2,4-TRIMETHYL	1	UG/L	U		1	1
MOUND R1-4	1/26/00	BENZENE, 1,2,4-TRIMETHYL	1	UG/L	U		1	1
MOUND R1-E	1/26/00	BENZENE, 1,2,4-TRIMETHYL	1	UG/L	U		1	1
MOUND R2-E	1/27/00	BENZENE, 1,2,4-TRIMETHYL	1	UG/L	U		1	1
MOUND R1-0	1/27/00	BENZENE, 1,3,5-TRIMETHYL-	10	UG/L	U		10	10
MOUND R1-1	1/26/00	BENZENE, 1,3,5-TRIMETHYL-	2	UG/L	U		2	2
MOUND R1-2	1/26/00	BENZENE, 1,3,5-TRIMETHYL-	1	UG/L	U		1	1
MOUND R1-3	1/26/00	BENZENE, 1,3,5-TRIMETHYL-	1	UG/L	U		1	1
MOUND R1-4	1/26/00	BENZENE, 1,3,5-TRIMETHYL-	1	UG/L	U		1	1
MOUND R1-E	1/26/00	BENZENE, 1,3,5-TRIMETHYL-	1	UG/L	U		1	1
MOUND R2-E	1/27/00	BENZENE, 1,3,5-TRIMETHYL-	1	UG/L	U		1	1
MOUND R1-0	1/27/00	BERYLLIUM	0.03	UG/L	B	V1	0.02	1
MOUND R1-0	1/27/00	BERYLLIUM	0.02	UG/L		V1	0.02	1
MOUND R1-1	1/26/00	BERYLLIUM	0.02	UG/L	U	V1	0.02	1
MOUND R1-1	1/26/00	BERYLLIUM	0.04	UG/L	B	V1	0.02	1
MOUND R1-2	1/26/00	BERYLLIUM	0.04	UG/L	B	V1	0.02	1
MOUND R1-2	1/26/00	BERYLLIUM	0.04	UG/L	B	V1	0.02	1

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-3	1/26/00	BERYLLIUM	0.04	UG/L	B	V1	0.02	1
MOUND R1-3	1/26/00	BERYLLIUM	0.02	UG/L	U	V1	0.02	1
MOUND R1-4	1/26/00	BERYLLIUM	0.02	UG/L	U	V1	0.02	1
MOUND R1-4	1/26/00	BERYLLIUM	0.02	UG/L	U	V1	0.02	1
MOUND R1-E	1/26/00	BERYLLIUM	0.02	UG/L	U	V1	0.02	1
MOUND R1-E	1/26/00	BERYLLIUM	0.02	UG/L	U	V1	0.02	1
MOUND R2-E	1/27/00	BERYLLIUM	0.02	UG/L	U	V1	0.02	1
MOUND R2-E	1/27/00	BERYLLIUM	0.02	UG/L	U	V1	0.02	1
MOUND R1-0	1/27/00	BICARBONATE AS CACO3	390	MG/L			5	
MOUND R1-1	1/26/00	BICARBONATE AS CACO3	310	MG/L			5	
MOUND R1-2	1/26/00	BICARBONATE AS CACO3	190	MG/L			5	
MOUND R1-3	1/26/00	BICARBONATE AS CACO3	190	MG/L			5	
MOUND R1-4	1/26/00	BICARBONATE AS CACO3	180	MG/L			5	
MOUND R1-E	1/26/00	BICARBONATE AS CACO3	180	MG/L			5	
MOUND R2-E	1/27/00	BICARBONATE AS CACO3	170	MG/L			5	
MOUND R2-E	1/27/00	BICARBONATE AS CACO3	180	MG/L			5	
MOUND R1-0	1/27/00	BROMIDE	0.4	MG/L			0.1	
MOUND R1-1	1/26/00	BROMIDE	0.4	MG/L			0.1	
MOUND R1-2	1/26/00	BROMIDE	0.4	MG/L			0.1	
MOUND R1-3	1/26/00	BROMIDE	0.4	MG/L			0.1	
MOUND R1-4	1/26/00	BROMIDE	0.4	MG/L			0.1	
MOUND R1-E	1/26/00	BROMIDE	0.4	MG/L			0.1	
MOUND R2-E	1/27/00	BROMIDE	0.4	MG/L			0.1	
MOUND R2-E	1/27/00	BROMIDE	0.4	MG/L			0.1	
MOUND R1-0	1/27/00	BROMOBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	BROMOBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	BROMOBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	BROMOBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	BROMOBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	BROMOBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	BROMOBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	BROMOCHLOROMETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	BROMOCHLOROMETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	BROMOCHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	BROMOCHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	BROMOCHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	BROMOCHLOROMETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	BROMOCHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	BROMODICHLOROMETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	BROMODICHLOROMETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	BROMODICHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	BROMODICHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	BROMODICHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	BROMODICHLOROMETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	BROMODICHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	BROMOFLUOROBENZENE	96	%REC				10
MOUND R1-1	1/26/00	BROMOFLUOROBENZENE	100	%REC				2
MOUND R1-2	1/26/00	BROMOFLUOROBENZENE	103	%REC				1
MOUND R1-3	1/26/00	BROMOFLUOROBENZENE	105	%REC				1
MOUND R1-4	1/26/00	BROMOFLUOROBENZENE	86	%REC				1
MOUND R1-E	1/26/00	BROMOFLUOROBENZENE	97	%REC				1
MOUND R2-E	1/27/00	BROMOFLUOROBENZENE	97	%REC				1
MOUND R1-0	1/27/00	BROMOFORM	10	UG/L	U		10	10
MOUND R1-1	1/26/00	BROMOFORM	2	UG/L	U		2	2
MOUND R1-2	1/26/00	BROMOFORM	1	UG/L	U		1	1
MOUND R1-3	1/26/00	BROMOFORM	1	UG/L	U		1	1
MOUND R1-4	1/26/00	BROMOFORM	1	UG/L	U		1	1
MOUND R1-E	1/26/00	BROMOFORM	1	UG/L	U		1	1
MOUND R2-E	1/27/00	BROMOFORM	1	UG/L	U		1	1
MOUND R1-0	1/27/00	BROMOMETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	BROMOMETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	BROMOMETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	BROMOMETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	BROMOMETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	BROMOMETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	BROMOMETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-0	1/27/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-1	1/26/00	CADMIUM	0.08	UG/L	B	V1	0.08	1
MOUND R1-1	1/26/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-2	1/26/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-2	1/26/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-3	1/26/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-3	1/26/00	CADMIUM	0.12	UG/L	B	V1	0.08	1

Appendix A -Mound Plume Data January Sampling Event

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-4	1/26/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-4	1/26/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-E	1/26/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-E	1/26/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R2-E	1/27/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R2-E	1/27/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-0	1/27/00	CALCIUM	115000	UG/L		V1	8.6	1
MOUND R1-0	1/27/00	CALCIUM	113000	UG/L		V1	8.6	1
MOUND R1-1	1/26/00	CALCIUM	52800	UG/L		V1	8.6	1
MOUND R1-1	1/26/00	CALCIUM	56600	UG/L		V1	8.6	5
MOUND R1-2	1/26/00	CALCIUM	5400	UG/L		V1	8.6	1
MOUND R1-2	1/26/00	CALCIUM	5410	UG/L		V1	8.6	1
MOUND R1-3	1/26/00	CALCIUM	4210	UG/L	B	V1	8.6	1
MOUND R1-3	1/26/00	CALCIUM	4350	UG/L	B	V1	8.6	1
MOUND R1-4	1/26/00	CALCIUM	3330	UG/L	B	V1	8.6	1
MOUND R1-4	1/26/00	CALCIUM	3410	UG/L	B	V1	8.6	1
MOUND R1-E	1/26/00	CALCIUM	2740	UG/L	B	V1	8.6	1
MOUND R1-E	1/26/00	CALCIUM	2840	UG/L	B	V1	8.6	1
MOUND R2-E	1/27/00	CALCIUM	2740	UG/L	B	V1	8.6	1
MOUND R2-E	1/27/00	CALCIUM	2750	UG/L	B	V1	8.6	1
MOUND R1-0	1/27/00	CARBON TETRACHLORIDE	110	UG/L			10	10
MOUND R1-1	1/26/00	CARBON TETRACHLORIDE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	CARBON TETRACHLORIDE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	CARBON TETRACHLORIDE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	CARBON TETRACHLORIDE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	CARBON TETRACHLORIDE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	CARBON TETRACHLORIDE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	CHLORIDE	68	MG/L			0.5	5
MOUND R1-1	1/26/00	CHLORIDE	68	MG/L			0.5	5
MOUND R1-2	1/26/00	CHLORIDE	66	MG/L			0.5	5
MOUND R1-3	1/26/00	CHLORIDE	66	MG/L			0.5	5
MOUND R1-4	1/26/00	CHLORIDE	68	MG/L			0.5	5
MOUND R1-E	1/26/00	CHLORIDE	68	MG/L			0.5	5
MOUND R2-E	1/27/00	CHLORIDE	67	MG/L			0.5	5
MOUND R2-E	1/27/00	CHLORIDE	67	MG/L			0.5	5
MOUND R1-0	1/27/00	CHLOROBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	CHLOROBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	CHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	CHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	CHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	CHLOROBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	CHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	CHLOROETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	CHLOROETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	CHLOROETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	CHLOROETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	CHLOROETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	CHLOROETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	CHLOROETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	CHLOROFORM	25	UG/L			10	10
MOUND R1-1	1/26/00	CHLOROFORM	11	UG/L			2	2
MOUND R1-2	1/26/00	CHLOROFORM	2	UG/L			1	1
MOUND R1-3	1/26/00	CHLOROFORM	1	UG/L			1	1
MOUND R1-4	1/26/00	CHLOROFORM	0.9	UG/L	J		1	1
MOUND R1-E	1/26/00	CHLOROFORM	2	UG/L			1	1
MOUND R2-E	1/27/00	CHLOROFORM	1	UG/L	U		1	1
MOUND R1-0	1/27/00	CHLOROMETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	CHLOROMETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	CHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	CHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	CHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	CHLOROMETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	CHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-0	1/27/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-1	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-1	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-2	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-2	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-3	1/26/00	CHROMIUM	0.16	UG/L	B	J1	0.15	1
MOUND R1-3	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-4	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-4	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-E	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-E	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R2-E	1/27/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R2-E	1/27/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-0	1/27/00	cis-1,2-DICHLOROETHENE	57	UG/L			10	10
MOUND R1-1	1/26/00	cis-1,2-DICHLOROETHENE	26	UG/L			2	2
MOUND R1-2	1/26/00	cis-1,2-DICHLOROETHENE	19	UG/L			1	1
MOUND R1-3	1/26/00	cis-1,2-DICHLOROETHENE	17	UG/L			1	1
MOUND R1-4	1/26/00	cis-1,2-DICHLOROETHENE	16	UG/L			1	1
MOUND R1-E	1/26/00	cis-1,2-DICHLOROETHENE	3	UG/L			1	1
MOUND R2-E	1/27/00	cis-1,2-DICHLOROETHENE	1	UG/L			1	1
MOUND R1-0	1/27/00	cis-1,3-DICHLOROPROPENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	cis-1,3-DICHLOROPROPENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	cis-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	cis-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	cis-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	cis-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	cis-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-0	1/27/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-1	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-1	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-2	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-2	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-3	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-3	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-4	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-4	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-E	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-E	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R2-E	1/27/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R2-E	1/27/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-0	1/27/00	COPPER	1.3	UG/L	B	V1	0.2	1
MOUND R1-0	1/27/00	COPPER	1.2	UG/L	B	V1	0.2	1
MOUND R1-1	1/26/00	COPPER	0.31	UG/L	B	V1	0.2	1
MOUND R1-1	1/26/00	COPPER	0.25	UG/L	B	V1	0.2	1
MOUND R1-2	1/26/00	COPPER	0.26	UG/L	B	V1	0.2	1
MOUND R1-2	1/26/00	COPPER	0.2	UG/L	U	V1	0.2	1
MOUND R1-3	1/26/00	COPPER	0.2	UG/L	U	V1	0.2	1
MOUND R1-3	1/26/00	COPPER	0.2	UG/L	U	V1	0.2	1
MOUND R1-4	1/26/00	COPPER	0.2	UG/L	U	V1	0.2	1
MOUND R1-4	1/26/00	COPPER	0.25	UG/L	B	V1	0.2	1
MOUND R1-E	1/26/00	COPPER	0.2	UG/L	U	V1	0.2	1
MOUND R1-E	1/26/00	COPPER	0.2	UG/L	U	V1	0.2	1
MOUND R2-E	1/27/00	COPPER	0.2	UG/L	U	V1	0.2	1
MOUND R2-E	1/27/00	COPPER	0.29	UG/L	B	V1	0.2	1
MOUND R1-0	1/27/00	DIBROMOCHLOROMETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	DIBROMOCHLOROMETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	DIBROMOCHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	DIBROMOCHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	DIBROMOCHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	DIBROMOCHLOROMETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	DIBROMOCHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	DIBROMOMETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	DIBROMOMETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	DIBROMOMETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	DIBROMOMETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	DIBROMOMETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	DIBROMOMETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	DIBROMOMETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	DICHLORODIFLUOROMETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	DICHLORODIFLUOROMETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	DICHLORODIFLUOROMETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	DICHLORODIFLUOROMETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	DICHLORODIFLUOROMETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	DICHLORODIFLUOROMETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	DICHLORODIFLUOROMETHANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	ETHYLBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	ETHYLBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	ETHYLBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	ETHYLBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	ETHYLBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	ETHYLBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	ETHYLBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	FLUORIDE	1	MG/L			0.05	

Appendix A -Mound Plume Data January Sampling Event

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-1	1/26/00	FLUORIDE	0.76	MG/L			0.05	
MOUND R1-2	1/26/00	FLUORIDE	0.5	MG/L			0.05	
MOUND R1-3	1/26/00	FLUORIDE	0.49	MG/L			0.05	
MOUND R1-4	1/26/00	FLUORIDE	0.51	MG/L			0.05	
MOUND R1-E	1/26/00	FLUORIDE	0.47	MG/L			0.05	
MOUND R2-E	1/27/00	FLUORIDE	0.47	MG/L			0.05	
MOUND R2-E	1/27/00	FLUORIDE	0.47	MG/L			0.05	
MOUND R1-0	1/27/00	HEXACHLOROBUTADIENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	HEXACHLOROBUTADIENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	HEXACHLOROBUTADIENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	HEXACHLOROBUTADIENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	HEXACHLOROBUTADIENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	HEXACHLOROBUTADIENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	HEXACHLOROBUTADIENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	IRON	25.1	UG/L	B	V1	3.6	1
MOUND R1-0	1/27/00	IRON	46.4	UG/L	B	V1	3.6	1
MOUND R1-1	1/26/00	IRON	12600	UG/L		V1	3.6	1
MOUND R1-1	1/26/00	IRON	13700	UG/L		V1	3.6	1
MOUND R1-2	1/26/00	IRON	604	UG/L		V1	3.6	1
MOUND R1-2	1/26/00	IRON	879	UG/L		V1	3.6	1
MOUND R1-3	1/26/00	IRON	367	UG/L		V1	3.6	1
MOUND R1-3	1/26/00	IRON	597	UG/L		V1	3.6	1
MOUND R1-4	1/26/00	IRON	241	UG/L		V1	3.6	1
MOUND R1-4	1/26/00	IRON	412	UG/L		V1	3.6	1
MOUND R1-E	1/26/00	IRON	24.4	UG/L	B	V1	3.6	1
MOUND R1-E	1/26/00	IRON	28	UG/L	B	V1	3.6	1
MOUND R2-E	1/27/00	IRON	15.9	UG/L	B	V1	3.6	1
MOUND R2-E	1/27/00	IRON	18.8	UG/L	B	V1	3.6	1
MOUND R1-0	1/27/00	ISOPROPYLBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	ISOPROPYLBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	ISOPROPYLBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	ISOPROPYLBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	ISOPROPYLBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	ISOPROPYLBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	ISOPROPYLBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R1-0	1/27/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R1-1	1/26/00	LEAD	3.5	UG/L		J1	0.58	1
MOUND R1-1	1/26/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R1-2	1/26/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R1-2	1/26/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R1-3	1/26/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R1-3	1/26/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R1-4	1/26/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R1-4	1/26/00	LEAD	0.86	UG/L	B	J1	0.58	1
MOUND R1-E	1/26/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R1-E	1/26/00	LEAD	1	UG/L	B	J1	0.58	1
MOUND R2-E	1/27/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R2-E	1/27/00	LEAD	0.58	UG/L	U	V1	0.58	1
MOUND R1-0	1/27/00	LITHIUM	35.7	UG/L	B	J1	0.02	1
MOUND R1-0	1/27/00	LITHIUM	35.2	UG/L	B	J1	0.02	1
MOUND R1-1	1/26/00	LITHIUM	34.1	UG/L	B	J1	0.02	1
MOUND R1-1	1/26/00	LITHIUM	33.9	UG/L	B	J1	0.02	1
MOUND R1-2	1/26/00	LITHIUM	32.6	UG/L	B	J1	0.02	1
MOUND R1-2	1/26/00	LITHIUM	32	UG/L	B	J1	0.02	1
MOUND R1-3	1/26/00	LITHIUM	33.4	UG/L	B	J1	0.02	1
MOUND R1-3	1/26/00	LITHIUM	33.1	UG/L	B	J1	0.02	1
MOUND R1-4	1/26/00	LITHIUM	32.5	UG/L	B	J1	0.02	1
MOUND R1-4	1/26/00	LITHIUM	32.8	UG/L	B	J1	0.02	1
MOUND R1-E	1/26/00	LITHIUM	30.6	UG/L	B	J1	0.02	1
MOUND R1-E	1/26/00	LITHIUM	31.2	UG/L	B	J1	0.02	1
MOUND R2-E	1/27/00	LITHIUM	30.6	UG/L	B	J1	0.02	1
MOUND R2-E	1/27/00	LITHIUM	30.9	UG/L	B	J1	0.02	1
MOUND R1-0	1/27/00	MAGNESIUM	36500	UG/L		V1	1.6	1
MOUND R1-0	1/27/00	MAGNESIUM	35800	UG/L		V1	1.6	1
MOUND R1-1	1/26/00	MAGNESIUM	35100	UG/L		V1	1.6	1
MOUND R1-1	1/26/00	MAGNESIUM	35300	UG/L		V1	1.6	1
MOUND R1-2	1/26/00	MAGNESIUM	31300	UG/L		V1	1.6	1
MOUND R1-2	1/26/00	MAGNESIUM	30700	UG/L		V1	1.6	1
MOUND R1-3	1/26/00	MAGNESIUM	31300	UG/L		V1	1.6	1
MOUND R1-3	1/26/00	MAGNESIUM	31200	UG/L		V1	1.6	1
MOUND R1-4	1/26/00	MAGNESIUM	31600	UG/L		V1	1.6	1
MOUND R1-4	1/26/00	MAGNESIUM	32100	UG/L		V1	1.6	1
MOUND R1-E	1/26/00	MAGNESIUM	31100	UG/L		V1	1.6	1

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-E	1/26/00	MAGNESIUM	32100	UG/L		V1	1.6	1
MOUND R2-E	1/27/00	MAGNESIUM	30500	UG/L		V1	1.6	1
MOUND R2-E	1/27/00	MAGNESIUM	30600	UG/L		V1	1.6	1
MOUND R1-0	1/27/00	MANGANESE	131	UG/L		V1	0.02	1
MOUND R1-0	1/27/00	MANGANESE	128	UG/L		V1	0.02	1
MOUND R1-1	1/26/00	MANGANESE	164	UG/L		V1	0.02	1
MOUND R1-1	1/26/00	MANGANESE	172	UG/L		V1	0.02	1
MOUND R1-2	1/26/00	MANGANESE	47.7	UG/L		V1	0.02	1
MOUND R1-2	1/26/00	MANGANESE	48.2	UG/L		V1	0.02	1
MOUND R1-3	1/26/00	MANGANESE	112	UG/L		V1	0.02	1
MOUND R1-3	1/26/00	MANGANESE	117	UG/L		V1	0.02	1
MOUND R1-4	1/26/00	MANGANESE	108	UG/L		V1	0.02	1
MOUND R1-4	1/26/00	MANGANESE	112	UG/L		V1	0.02	1
MOUND R1-E	1/26/00	MANGANESE	108	UG/L		V1	0.02	1
MOUND R1-E	1/26/00	MANGANESE	110	UG/L		V1	0.02	1
MOUND R2-E	1/27/00	MANGANESE	101	UG/L		V1	0.02	1
MOUND R2-E	1/27/00	MANGANESE	102	UG/L		V1	0.02	1
MOUND R1-0	1/27/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-0	1/27/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-1	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-1	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-2	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-2	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-3	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-3	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-4	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-4	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-E	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-E	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R2-E	1/27/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R2-E	1/27/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-0	1/27/00	METHYLENE CHLORIDE	5	UG/L	BJ		10	10
MOUND R1-1	1/26/00	METHYLENE CHLORIDE	3	UG/L	B		2	2
MOUND R1-2	1/26/00	METHYLENE CHLORIDE	2	UG/L			1	1
MOUND R1-3	1/26/00	METHYLENE CHLORIDE	2	UG/L			1	1
MOUND R1-4	1/26/00	METHYLENE CHLORIDE	2	UG/L			1	1
MOUND R1-E	1/26/00	METHYLENE CHLORIDE	2	UG/L	B		1	1
MOUND R2-E	1/27/00	METHYLENE CHLORIDE	1	UG/L	B		1	1
MOUND R1-0	1/27/00	MOLYBDENUM	3.2	UG/L	B	V1	0.32	1
MOUND R1-0	1/27/00	MOLYBDENUM	3.1	UG/L	B	V1	0.32	1
MOUND R1-1	1/26/00	MOLYBDENUM	1	UG/L	B	J1	0.32	1
MOUND R1-1	1/26/00	MOLYBDENUM	0.82	UG/L	B	J1	0.32	1
MOUND R1-2	1/26/00	MOLYBDENUM	2.8	UG/L	B	V1	0.32	1
MOUND R1-2	1/26/00	MOLYBDENUM	2.4	UG/L	B	V1	0.32	1
MOUND R1-3	1/26/00	MOLYBDENUM	4.9	UG/L	B	V1	0.32	1
MOUND R1-3	1/26/00	MOLYBDENUM	4.5	UG/L	B	V1	0.32	1
MOUND R1-4	1/26/00	MOLYBDENUM	6.7	UG/L	B	V1	0.32	1
MOUND R1-4	1/26/00	MOLYBDENUM	6.5	UG/L	B	V1	0.32	1
MOUND R1-E	1/26/00	MOLYBDENUM	23.9	UG/L	B	V1	0.32	1
MOUND R1-E	1/26/00	MOLYBDENUM	24.3	UG/L	B	V1	0.32	1
MOUND R2-E	1/27/00	MOLYBDENUM	25.4	UG/L	B	V1	0.32	1
MOUND R2-E	1/27/00	MOLYBDENUM	25.2	UG/L	B	V1	0.32	1
MOUND R1-0	1/27/00	NAPHTHALENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	NAPHTHALENE	1	UG/L	J		2	2
MOUND R1-2	1/26/00	NAPHTHALENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	NAPHTHALENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	NAPHTHALENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	NAPHTHALENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	NAPHTHALENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	n-BUTYLBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	n-BUTYLBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	n-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	n-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	n-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	n-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	n-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	NICKEL	1.7	UG/L	B	V1	0.35	1
MOUND R1-0	1/27/00	NICKEL	1.4	UG/L	B	V1	0.35	1
MOUND R1-1	1/26/00	NICKEL	0.99	UG/L	B	V1	0.35	1
MOUND R1-1	1/26/00	NICKEL	0.69	UG/L	B	V1	0.35	1
MOUND R1-2	1/26/00	NICKEL	0.63	UG/L	B	V1	0.35	1
MOUND R1-2	1/26/00	NICKEL	0.35	UG/L	U	V1	0.35	1
MOUND R1-3	1/26/00	NICKEL	0.65	UG/L	B	V1	0.35	1
MOUND R1-3	1/26/00	NICKEL	0.37	UG/L	B	V1	0.35	1

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-4	1/26/00	NICKEL	0.46	UG/L	B	V1	0.35	1
MOUND R1-4	1/26/00	NICKEL	0.41	UG/L	B	V1	0.35	1
MOUND R1-E	1/26/00	NICKEL	0.35	UG/L	U	V1	0.35	1
MOUND R1-E	1/26/00	NICKEL	0.47	UG/L	B	V1	0.35	1
MOUND R2-E	1/27/00	NICKEL	0.37	UG/L	B	V1	0.35	1
MOUND R2-E	1/27/00	NICKEL	0.5	UG/L	B	V1	0.35	1
MOUND R1-0	1/27/00	NITRATE/NITRITE	2.8	MG/L			0.05	5
MOUND R1-0	12/28/99	NITRATE/NITRITE	2.1	MG/L			0.045	5
MOUND R1-1	1/26/00	NITRATE/NITRITE	0.05	MG/L	U		0.05	
MOUND R1-1	12/28/99	NITRATE/NITRITE	0.15	MG/L	J		0.045	5
MOUND R1-2	1/26/00	NITRATE/NITRITE	0.05	MG/L	U		0.05	
MOUND R1-2	12/28/00	NITRATE/NITRITE	0.2	MG/L	J		0.045	5
MOUND R1-3	1/26/00	NITRATE/NITRITE	0.05	MG/L	U		0.05	
MOUND R1-3	12/28/00	NITRATE/NITRITE	0.2	MG/L	J		0.045	5
MOUND R1-4	1/26/00	NITRATE/NITRITE	0.05	MG/L	U		0.05	
MOUND R1-4	12/28/00	NITRATE/NITRITE	0.2	MG/L	J		0.045	5
MOUND R1-E	1/26/00	NITRATE/NITRITE	0.05	MG/L	U		0.05	
MOUND R1-E	12/28/99	NITRATE/NITRITE	0.045	MG/L	U		0.045	5
MOUND R1-F	12/28/99	NITRATE/NITRITE	0.045	MG/L	U		0.045	5
MOUND R2-E	1/27/00	NITRATE/NITRITE	0.05	MG/L	U		0.05	
MOUND R1-0	1/27/00	n-PROPYLBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	n-PROPYLBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	n-PROPYLBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	n-PROPYLBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	n-PROPYLBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	n-PROPYLBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	n-PROPYLBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	o-CHLOROTOLUENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	o-CHLOROTOLUENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	o-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	o-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	o-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	o-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	o-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	p-CHLOROTOLUENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	p-CHLOROTOLUENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	p-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	p-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	p-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	p-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	p-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	POTASSIUM	1770	UG/L	B	J1	4.9	1
MOUND R1-0	1/27/00	POTASSIUM	1710	UG/L	B	J1	4.9	1
MOUND R1-1	1/26/00	POTASSIUM	1710	UG/L	B	J1	4.9	1
MOUND R1-1	1/26/00	POTASSIUM	1710	UG/L	B	J1	4.9	1
MOUND R1-2	1/26/00	POTASSIUM	1560	UG/L	B	J1	4.9	1
MOUND R1-2	1/26/00	POTASSIUM	1540	UG/L	B	J1	4.9	1
MOUND R1-3	1/26/00	POTASSIUM	1580	UG/L	B	J1	4.9	1
MOUND R1-3	1/26/00	POTASSIUM	1560	UG/L	B	J1	4.9	1
MOUND R1-4	1/26/00	POTASSIUM	1610	UG/L	B	J1	4.9	1
MOUND R1-4	1/26/00	POTASSIUM	1620	UG/L	B	J1	4.9	1
MOUND R1-E	1/26/00	POTASSIUM	2400	UG/L	B	J1	4.9	1
MOUND R1-E	1/26/00	POTASSIUM	2470	UG/L	B	J1	4.9	1
MOUND R2-E	1/27/00	POTASSIUM	2490	UG/L	B	J1	4.9	1
MOUND R2-E	1/27/00	POTASSIUM	2490	UG/L	B	J1	4.9	1
MOUND R1-0	1/27/00	PROPANE, 1,2-DIBROMO-3-CHL	10	UG/L	U		10	10
MOUND R1-1	1/26/00	PROPANE, 1,2-DIBROMO-3-CHL	2	UG/L	U		2	2
MOUND R1-2	1/26/00	PROPANE, 1,2-DIBROMO-3-CHL	1	UG/L	U		1	1
MOUND R1-3	1/26/00	PROPANE, 1,2-DIBROMO-3-CHL	1	UG/L	U		1	1
MOUND R1-4	1/26/00	PROPANE, 1,2-DIBROMO-3-CHL	1	UG/L	U		1	1
MOUND R1-E	1/26/00	PROPANE, 1,2-DIBROMO-3-CHL	1	UG/L	U		1	1
MOUND R2-E	1/27/00	PROPANE, 1,2-DIBROMO-3-CHL	1	UG/L	U		1	1
MOUND R1-0	1/27/00	sec-BUTYLBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	sec-BUTYLBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	sec-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	sec-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	sec-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	sec-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	sec-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	SELENIUM	13.4	UG/L		V1	1.1	1
MOUND R1-0	1/27/00	SELENIUM	13.1	UG/L		V1	1.1	1
MOUND R1-1	1/26/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R1-1	1/26/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R1-2	1/26/00	SELENIUM	1.1	UG/L	U	J1	1.1	1

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-2	1/26/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R1-3	1/26/00	SELENIUM	1.7	UG/L	B	J1	1.1	1
MOUND R1-3	1/26/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R1-4	1/26/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R1-4	1/26/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R1-E	1/26/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R1-E	1/26/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R2-E	1/27/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R2-E	1/27/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R1-0	1/27/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-0	1/27/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-1	1/26/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-1	1/26/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-2	1/26/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-2	1/26/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-3	1/26/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-3	1/26/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-4	1/26/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-4	1/26/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-E	1/26/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-E	1/26/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R2-E	1/27/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R2-E	1/27/00	SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-0	1/27/00	SODIUM	76500	UG/L		V1	33.2	5
MOUND R1-0	1/27/00	SODIUM	75400	UG/L		V1	33.2	5
MOUND R1-1	1/26/00	SODIUM	75100	UG/L		V1	33.2	5
MOUND R1-1	1/26/00	SODIUM	75800	UG/L		V1	33.2	5
MOUND R1-2	1/26/00	SODIUM	74500	UG/L		V1	33.2	5
MOUND R1-2	1/26/00	SODIUM	73600	UG/L		V1	33.2	5
MOUND R1-3	1/26/00	SODIUM	75900	UG/L		V1	33.2	5
MOUND R1-3	1/26/00	SODIUM	76600	UG/L		V1	33.2	5
MOUND R1-4	1/26/00	SODIUM	74100	UG/L		V1	33.2	5
MOUND R1-4	1/26/00	SODIUM	74500	UG/L		V1	33.2	5
MOUND R1-E	1/26/00	SODIUM	74800	UG/L		V1	33.2	5
MOUND R1-E	1/26/00	SODIUM	77100	UG/L		V1	33.2	5
MOUND R2-E	1/27/00	SODIUM	74200	UG/L		V1	33.2	5
MOUND R2-E	1/27/00	SODIUM	75200	UG/L		V1	33.2	5
MOUND R1-0	1/27/00	STRONTIUM	938	UG/L		V1	0.02	1
MOUND R1-0	1/27/00	STRONTIUM	921	UG/L		V1	0.02	1
MOUND R1-1	1/26/00	STRONTIUM	347	UG/L		V1	0.02	1
MOUND R1-1	1/26/00	STRONTIUM	378	UG/L		V1	0.02	1
MOUND R1-2	1/26/00	STRONTIUM	10.2	UG/L	B	V1	0.02	1
MOUND R1-2	1/26/00	STRONTIUM	10.3	UG/L	B	V1	0.02	1
MOUND R1-3	1/26/00	STRONTIUM	5.6	UG/L	B	V1	0.02	1
MOUND R1-3	1/26/00	STRONTIUM	6.2	UG/L	B	V1	0.02	1
MOUND R1-4	1/26/00	STRONTIUM	4.1	UG/L	B	V1	0.02	1
MOUND R1-4	1/26/00	STRONTIUM	4.2	UG/L	B	V1	0.02	1
MOUND R1-E	1/26/00	STRONTIUM	8	UG/L	B	V1	0.02	1
MOUND R1-E	1/26/00	STRONTIUM	8.4	UG/L	B	V1	0.02	1
MOUND R2-E	1/27/00	STRONTIUM	7.9	UG/L	B	V1	0.02	1
MOUND R2-E	1/27/00	STRONTIUM	8.2	UG/L	B	V1	0.02	1
MOUND R1-0	1/27/00	STYRENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	STYRENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	STYRENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	STYRENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	STYRENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	STYRENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	STYRENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	SULFATE	75	MG/L			1	
MOUND R1-1	1/26/00	SULFATE	24	MG/L			1	
MOUND R1-2	1/26/00	SULFATE	1	MG/L	U		1	
MOUND R1-3	1/26/00	SULFATE	2	MG/L			1	
MOUND R1-4	1/26/00	SULFATE	1	MG/L	U		1	
MOUND R1-E	1/26/00	SULFATE	1	MG/L			1	
MOUND R2-E	1/27/00	SULFATE	1	MG/L			1	
MOUND R2-E	1/27/00	SULFATE	1	MG/L			1	
MOUND R1-0	1/27/00	tert-BUTYLBENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	tert-BUTYLBENZENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	tert-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	tert-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	tert-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	tert-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	tert-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	TETRACHLOROETHENE	120	UG/L			10	10

Appendix A-Mound Plume Data, November Sampling Event

Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting Limit
ETI-R14-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R1E-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R2E-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R10-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Trichloroethene	120	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Trichloroethene	110	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Trichloroethene	100	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Trichloroethene	45	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Trichloroethene	48	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Trichloroethene	47	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Trichloroethene	6.5	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Trichloroethene	3.2	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Trichloroethene	1.7	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Trichloroethene	1.4	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Trichloroethene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Vinyl chloride	ND	ug/L	2.8
ETI-R10-S-02-113099	30-Nov-99	Vinyl chloride	ND	ug/L	2.8
ETI-R10-S-03-113099	30-Nov-99	Vinyl chloride	ND	ug/L	2.8
ETI-R11-S-01-113099	30-Nov-99	Vinyl chloride	0.2	ug/L	1.1
ETI-R11-S-02-113099	30-Nov-99	Vinyl chloride	0.21	ug/L	1.1
ETI-R11-S-03-113099	30-Nov-99	Vinyl chloride	0.2	ug/L	1.1
ETI-R12-S-01-113099	30-Nov-99	Vinyl chloride	0.22	ug/L	1.1
ETI-R13-S-01-113099	30-Nov-99	Vinyl chloride	0.21	ug/L	1.1
ETI-R14-S-01-113099	30-Nov-99	Vinyl chloride	0.22	ug/L	1.1
ETI-R1E-S-01-113099	30-Nov-99	Vinyl chloride	0.2	ug/L	1.1
ETI-R2E-S-01-113099	30-Nov-99	Vinyl chloride	ND	ug/L	1.1
ETI-R10-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Xylenes (total)	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Xylenes (total)	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-1	1/26/00	TETRACHLOROETHENE	36	UG/L			2	2
MOUND R1-2	1/26/00	TETRACHLOROETHENE	12	UG/L			1	1
MOUND R1-3	1/26/00	TETRACHLOROETHENE	8	UG/L			1	1
MOUND R1-4	1/26/00	TETRACHLOROETHENE	4	UG/L			1	1
MOUND R1-E	1/26/00	TETRACHLOROETHENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	TETRACHLOROETHENE	0.1	UG/L	J		1	1
MOUND R1-0	1/27/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-0	1/27/00	THALLIUM	1.1	UG/L	B	J1	0.92	1
MOUND R1-1	1/26/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-1	1/26/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-2	1/26/00	THALLIUM	1.8	UG/L	B	J1	0.92	1
MOUND R1-2	1/26/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-3	1/26/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-3	1/26/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-4	1/26/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-4	1/26/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-E	1/26/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-E	1/26/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R2-E	1/27/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R2-E	1/27/00	THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-0	1/27/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-0	1/27/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-1	1/26/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-1	1/26/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-2	1/26/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-2	1/26/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-3	1/26/00	TIN	0.98	UG/L	B	V1	0.48	1
MOUND R1-3	1/26/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-4	1/26/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-4	1/26/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-E	1/26/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-E	1/26/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R2-E	1/27/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R2-E	1/27/00	TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-0	1/27/00	TOLUENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	TOLUENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	TOLUENE	0.1	UG/L	J		1	1
MOUND R1-3	1/26/00	TOLUENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	TOLUENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	TOLUENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	TOLUENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	TOTAL XYLENES	10	UG/L	U		10	10
MOUND R1-1	1/26/00	TOTAL XYLENES	2	UG/L	U		2	2
MOUND R1-2	1/26/00	TOTAL XYLENES	1	UG/L	U		1	1
MOUND R1-3	1/26/00	TOTAL XYLENES	1	UG/L	U		1	1
MOUND R1-4	1/26/00	TOTAL XYLENES	1	UG/L	U		1	1
MOUND R1-E	1/26/00	TOTAL XYLENES	1	UG/L	U		1	1
MOUND R2-E	1/27/00	TOTAL XYLENES	1	UG/L	U		1	1
MOUND R1-0	1/27/00	trans-1,2-DICHLOROETHENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	trans-1,2-DICHLOROETHENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	trans-1,2-DICHLOROETHENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	trans-1,2-DICHLOROETHENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	trans-1,2-DICHLOROETHENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	trans-1,2-DICHLOROETHENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	trans-1,2-DICHLOROETHENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	trans-1,3-DICHLOROPROPENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	trans-1,3-DICHLOROPROPENE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	trans-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	trans-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	trans-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	trans-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	trans-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	TRICHLOROETHENE	150	UG/L			10	10
MOUND R1-1	1/26/00	TRICHLOROETHENE	44	UG/L			2	2
MOUND R1-2	1/26/00	TRICHLOROETHENE	10	UG/L			1	1
MOUND R1-3	1/26/00	TRICHLOROETHENE	6	UG/L			1	1
MOUND R1-4	1/26/00	TRICHLOROETHENE	3	UG/L			1	1
MOUND R1-E	1/26/00	TRICHLOROETHENE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	TRICHLOROETHENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	TRICHLOROFLUOROMETHANE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	TRICHLOROFLUOROMETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	TRICHLOROFLUOROMETHANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	TRICHLOROFLUOROMETHANE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	TRICHLOROFLUOROMETHANE	1	UG/L	U		1	1

Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
MOUND R1-E	1/26/00	TRICHLOROFLUOROMETHANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	TRICHLOROFLUOROMETHANE	1	UG/L	U		1	1
MOUND R1-0	12/28/99	URANIUM, TOTAL	12.6605	UG/L		V1	1.5495	
MOUND R1-0	12/28/99	URANIUM, TOTAL	13.5757	UG/L		V1	1.5495	
MOUND R1-0	12/28/99	URANIUM, TOTAL	11.373	UG/L		V1	1.5495	
MOUND R1-0	12/28/99	URANIUM, TOTAL	13.2857	UG/L		V1	1.5495	
MOUND R1-0	12/28/99	URANIUM, TOTAL	13.0698	UG/L		V1	1.5495	
MOUND R1-0	12/28/99	URANIUM, TOTAL	13.0738	UG/L		V1	1.5495	
MOUND R1-1	12/28/99	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-1	12/28/99	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-1	12/28/99	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-1	12/28/99	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-1	12/28/99	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-1	12/28/99	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-2	12/28/00	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-2	12/28/00	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-3	12/28/00	URANIUM, TOTAL	0	UG/L	U	V1	0.1279	
MOUND R1-3	12/28/00	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-4	12/28/00	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-4	12/28/00	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-E	12/28/99	URANIUM, TOTAL	0.3336	UG/L	J	V1	0.155	
MOUND R1-E	12/28/99	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-F	12/28/99	URANIUM, TOTAL	0	UG/L	U	V1	0.1279	
MOUND R1-F	12/28/99	URANIUM, TOTAL	0	UG/L	U	V1	0.155	
MOUND R1-0	1/27/00	VANADIUM	0.48	UG/L	B	V1	0.15	1
MOUND R1-0	1/27/00	VANADIUM	0.51	UG/L	B	V1	0.15	1
MOUND R1-1	1/26/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R1-1	1/26/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R1-2	1/26/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R1-2	1/26/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R1-3	1/26/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R1-3	1/26/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R1-4	1/26/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R1-4	1/26/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R1-E	1/26/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R1-E	1/26/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R2-E	1/27/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R2-E	1/27/00	VANADIUM	0.15	UG/L	U	V1	0.15	1
MOUND R1-0	1/27/00	VINYL CHLORIDE	10	UG/L	U		10	10
MOUND R1-1	1/26/00	VINYL CHLORIDE	0.3	UG/L	J		2	2
MOUND R1-2	1/26/00	VINYL CHLORIDE	0.4	UG/L	J		1	1
MOUND R1-3	1/26/00	VINYL CHLORIDE	1	UG/L	U		1	1
MOUND R1-4	1/26/00	VINYL CHLORIDE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	VINYL CHLORIDE	1	UG/L	U		1	1
MOUND R2-E	1/27/00	VINYL CHLORIDE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	ZINC	7.5	UG/L	B	V1	0.2	1
MOUND R1-0	1/27/00	ZINC	7.2	UG/L	B	V1	0.2	1
MOUND R1-1	1/26/00	ZINC	4.4	UG/L	B	V1	0.2	1
MOUND R1-1	1/26/00	ZINC	1.1	UG/L	B	J1	0.2	1
MOUND R1-2	1/26/00	ZINC	1.1	UG/L	B	J1	0.2	1
MOUND R1-2	1/26/00	ZINC	1.1	UG/L	B	J1	0.2	1
MOUND R1-3	1/26/00	ZINC	0.85	UG/L	B	J1	0.2	1
MOUND R1-3	1/26/00	ZINC	1	UG/L	B	J1	0.2	1
MOUND R1-4	1/26/00	ZINC	0.64	UG/L	B	J1	0.2	1
MOUND R1-4	1/26/00	ZINC	3.2	UG/L	B	V1	0.2	1
MOUND R1-E	1/26/00	ZINC	0.84	UG/L	B	J1	0.2	1
MOUND R1-E	1/26/00	ZINC	1.1	UG/L	B	J1	0.2	1
MOUND R2-E	1/27/00	ZINC	1	UG/L	B	J1	0.2	1
MOUND R2-E	1/27/00	ZINC	1.1	UG/L	B	J1	0.2	1

Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting Limit
ETI-R10-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	6.2	ug/L	2
ETI-R10-S-02-113099	30-Nov-99	1,1,1-Trichloroethane	5.5	ug/L	2
ETI-R10-S-03-113099	30-Nov-99	1,1,1-Trichloroethane	5.5	ug/L	2
ETI-R11-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	1.1	ug/L	0.8
ETI-R11-S-02-113099	30-Nov-99	1,1,1-Trichloroethane	1.3	ug/L	0.8
ETI-R11-S-03-113099	30-Nov-99	1,1,1-Trichloroethane	1.2	ug/L	0.8
ETI-R12-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	ND	ug/L	0.8
ETI-R13-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	ND	ug/L	0.8
ETI-R14-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	ND	ug/L	0.8
ETI-R1E-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	ND	ug/L	0.8
ETI-R2E-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	ND	ug/L	0.8
ETI-R10-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.3	ug/L	3
ETI-R10-S-02-113099	30-Nov-99	1,1-Dichloroethane	1.2	ug/L	3
ETI-R10-S-03-113099	30-Nov-99	1,1-Dichloroethane	1.2	ug/L	3
ETI-R11-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.7	ug/L	1.2
ETI-R11-S-02-113099	30-Nov-99	1,1-Dichloroethane	1.7	ug/L	1.2
ETI-R11-S-03-113099	30-Nov-99	1,1-Dichloroethane	1.7	ug/L	1.2
ETI-R12-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.8	ug/L	1.2
ETI-R13-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.6	ug/L	1.2
ETI-R14-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.7	ug/L	1.2
ETI-R1E-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.6	ug/L	1.2
ETI-R2E-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.1	ug/L	1.2
ETI-R10-S-01-113099	30-Nov-99	1,1-Dichloroethene	8.4	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,1-Dichloroethene	7.1	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,1-Dichloroethene	6.8	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	1,1-Dichloroethene	4.4	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,1-Dichloroethene	4.6	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,1-Dichloroethene	4.6	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,1-Dichloroethene	2	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,1-Dichloroethene	1.6	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,1-Dichloroethene	1.3	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,1-Dichloroethene	1.1	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,1-Dichloroethene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.72	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,2-Dichloroethane	0.7	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,2-Dichloroethane	0.77	ug/L	2.5

Appendix A-Mound Plume Data, November Sampling Event

Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting Limit
ETI-R11-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.71	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,2-Dichloroethane	0.73	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,2-Dichloroethane	0.74	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.66	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.64	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.63	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.58	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.48	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	89	%	100
ETI-R10-S-02-113099	30-Nov-99	1,2-Dichloroethane-d4	96	%	100
ETI-R10-S-03-113099	30-Nov-99	1,2-Dichloroethane-d4	98	%	100
ETI-R11-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	101	%	100
ETI-R11-S-02-113099	30-Nov-99	1,2-Dichloroethane-d4	104	%	100
ETI-R11-S-03-113099	30-Nov-99	1,2-Dichloroethane-d4	103	%	100
ETI-R12-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	102	%	100
ETI-R13-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	103	%	100
ETI-R14-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	101	%	100
ETI-R1E-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	102	%	100
ETI-R2E-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	102	%	100
ETI-R10-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	35	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,2-Dichloroethene (total)	32	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,2-Dichloroethene (total)	33	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	25	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,2-Dichloroethene (total)	26	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,2-Dichloroethene (total)	26	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	16	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	13	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	12	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	10	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	1.8	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	12
ETI-R10-S-02-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	12
ETI-R10-S-03-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	12
ETI-R11-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R11-S-02-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R11-S-03-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R12-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R13-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R14-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R1E-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R2E-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R10-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	12
ETI-R10-S-02-113099	30-Nov-99	2-Hexanone	ND	ug/L	12
ETI-R10-S-03-113099	30-Nov-99	2-Hexanone	ND	ug/L	12
ETI-R11-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R11-S-02-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R11-S-03-113099	30-Nov-99	2-Hexanone	ND	ug/L	5

Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting Limit
ETI-R12-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R13-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R14-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R1E-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R2E-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R10-S-01-113099	30-Nov-99	4-Bromofluorobenzene	94	%	100
ETI-R10-S-02-113099	30-Nov-99	4-Bromofluorobenzene	95	%	100
ETI-R10-S-03-113099	30-Nov-99	4-Bromofluorobenzene	94	%	100
ETI-R11-S-01-113099	30-Nov-99	4-Bromofluorobenzene	96	%	100
ETI-R11-S-02-113099	30-Nov-99	4-Bromofluorobenzene	99	%	100
ETI-R11-S-03-113099	30-Nov-99	4-Bromofluorobenzene	98	%	100
ETI-R12-S-01-113099	30-Nov-99	4-Bromofluorobenzene	98	%	100
ETI-R13-S-01-113099	30-Nov-99	4-Bromofluorobenzene	99	%	100
ETI-R14-S-01-113099	30-Nov-99	4-Bromofluorobenzene	98	%	100
ETI-R1E-S-01-113099	30-Nov-99	4-Bromofluorobenzene	99	%	100
ETI-R2E-S-01-113099	30-Nov-99	4-Bromofluorobenzene	97	%	100
ETI-R10-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	12
ETI-R10-S-02-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	12
ETI-R10-S-03-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	12
ETI-R11-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R11-S-02-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R11-S-03-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R12-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R13-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R14-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R1E-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R2E-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R10-S-01-113099	30-Nov-99	Acetone	ND	ug/L	25
ETI-R10-S-02-113099	30-Nov-99	Acetone	ND	ug/L	25
ETI-R10-S-03-113099	30-Nov-99	Acetone	ND	ug/L	25
ETI-R11-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R11-S-02-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R11-S-03-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R12-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R13-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R14-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R1E-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R2E-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R10-S-01-113099	30-Nov-99	Aluminum	35	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Aluminum	1960	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Aluminum	1940	ug/L	100
ETI-R11-S-01-113099	30-Nov-99	Aluminum	32.7	ug/L	100
ETI-R12-S-01-113099	30-Nov-99	Aluminum	36.5	ug/L	100
ETI-R13-S-01-113099	30-Nov-99	Aluminum	33.8	ug/L	100
ETI-R14-S-01-113099	30-Nov-99	Aluminum	26.7	ug/L	100
ETI-R1E-S-01-113099	30-Nov-99	Aluminum	36	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Benzene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Benzene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Benzene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Benzene	0.13	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Benzene	0.13	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Benzene	0.13	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Benzene	0.17	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Benzene	0.17	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Benzene	0.16	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Benzene	0.18	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Benzene	0.2	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	410	mg/L	5

Appendix A-Mound Plume Data, November Sampling Event

Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting Limit
ETI-R11-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	283	mg/L	5
ETI-R12-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	148	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	133	mg/L	5
ETI-R14-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	129	mg/L	5
ETI-R1E-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	131	mg/L	5
ETI-R10-S-01-113099	30-Nov-99	Bromide	0.51	mg/L	0.2
ETI-R11-S-01-113099	30-Nov-99	Bromide	0.47	mg/L	0.2
ETI-R12-S-01-113099	30-Nov-99	Bromide	0.48	mg/L	0.2
ETI-R13-S-01-113099	30-Nov-99	Bromide	0.48	mg/L	0.2
ETI-R13-S-01-113099	30-Nov-99	Bromide	5.23	mg/L	0.2
ETI-R13-S-01-113099	30-Nov-99	Bromide	5.26	mg/L	0.2
ETI-R14-S-01-113099	30-Nov-99	Bromide	0.51	mg/L	0.2
ETI-R1E-S-01-113099	30-Nov-99	Bromide	0.47	mg/L	0.2
ETI-R10-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Bromoform	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Bromoform	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	5
ETI-R10-S-02-113099	30-Nov-99	Bromomethane	ND	ug/L	5
ETI-R10-S-03-113099	30-Nov-99	Bromomethane	ND	ug/L	5
ETI-R11-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R11-S-02-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R11-S-03-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R12-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R13-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R14-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R1E-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R2E-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R10-S-01-113099	30-Nov-99	Calcium	119000	ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Calcium	164000	ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Calcium	163000	ug/L	200
ETI-R11-S-01-113099	30-Nov-99	Calcium	47900	ug/L	200
ETI-R12-S-01-113099	30-Nov-99	Calcium	5770	ug/L	200
ETI-R13-S-01-113099	30-Nov-99	Calcium	3600	ug/L	200
ETI-R14-S-01-113099	30-Nov-99	Calcium	2830	ug/L	200
ETI-R1E-S-01-113099	30-Nov-99	Calcium	3090	ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Carbon disulfide	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Carbon disulfide	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1

Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting Limit
ETI-R11-S-02-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Carbon tetrachloride	77	ug/L	5.2
ETI-R10-S-02-113099	30-Nov-99	Carbon tetrachloride	68	ug/L	5.2
ETI-R10-S-03-113099	30-Nov-99	Carbon tetrachloride	67	ug/L	5.2
ETI-R11-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R11-S-02-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R11-S-03-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R12-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R13-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R14-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R1E-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R2E-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R10-S-01-113099	30-Nov-99	Carbonate Alkalinity	ND	mg/L	5
ETI-R11-S-01-113099	30-Nov-99	Carbonate Alkalinity	ND	mg/L	5
ETI-R12-S-01-113099	30-Nov-99	Carbonate Alkalinity	38.8	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Carbonate Alkalinity	49.7	mg/L	5
ETI-R14-S-01-113099	30-Nov-99	Carbonate Alkalinity	55.3	mg/L	5
ETI-R1E-S-01-113099	30-Nov-99	Carbonate Alkalinity	56.9	mg/L	5
ETI-R10-S-01-113099	30-Nov-99	Chloride	77	mg/L	15
ETI-R11-S-01-113099	30-Nov-99	Chloride	82.6	mg/L	6
ETI-R12-S-01-113099	30-Nov-99	Chloride	84.7	mg/L	15
ETI-R13-S-01-113099	30-Nov-99	Chloride	205	mg/L	15
ETI-R13-S-01-113099	30-Nov-99	Chloride	206	mg/L	15
ETI-R13-S-01-113099	30-Nov-99	Chloride	87.4	mg/L	15
ETI-R14-S-01-113099	30-Nov-99	Chloride	89.1	mg/L	15
ETI-R1E-S-01-113099	30-Nov-99	Chloride	80.8	mg/L	15
ETI-R10-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Chlorobenzene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Chlorobenzene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Chlorobenzene	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Chlorobenzene	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	5
ETI-R10-S-02-113099	30-Nov-99	Chloroethane	ND	ug/L	5
ETI-R10-S-03-113099	30-Nov-99	Chloroethane	ND	ug/L	5
ETI-R11-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R11-S-02-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R11-S-03-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R12-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R13-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R14-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R1E-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R2E-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R10-S-01-113099	30-Nov-99	Chloroform	16	ug/L	1.2
ETI-R10-S-02-113099	30-Nov-99	Chloroform	15	ug/L	1.2
ETI-R10-S-03-113099	30-Nov-99	Chloroform	15	ug/L	1.2
ETI-R11-S-01-113099	30-Nov-99	Chloroform	0.29	ug/L	0.5

Appendix A-Mound Plume Data, November Sampling Event

Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting Limit
ETI-R11-S-02-113099	30-Nov-99	Chloroform	0.26	ug/L	0.5
ETI-R11-S-03-113099	30-Nov-99	Chloroform	0.3	ug/L	0.5
ETI-R12-S-01-113099	30-Nov-99	Chloroform	ND	ug/L	0.5
ETI-R13-S-01-113099	30-Nov-99	Chloroform	ND	ug/L	0.5
ETI-R14-S-01-113099	30-Nov-99	Chloroform	0.15	ug/L	0.5
ETI-R1E-S-01-113099	30-Nov-99	Chloroform	0.14	ug/L	0.5
ETI-R2E-S-01-113099	30-Nov-99	Chloroform	ND	ug/L	0.5
ETI-R10-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	5
ETI-R10-S-02-113099	30-Nov-99	Chloromethane	ND	ug/L	5
ETI-R10-S-03-113099	30-Nov-99	Chloromethane	ND	ug/L	5
ETI-R11-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R11-S-02-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R11-S-03-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R12-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R13-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R14-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R1E-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R2E-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R10-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	35	ug/L	3
ETI-R10-S-02-113099	30-Nov-99	cis-1,2-Dichloroethene	32	ug/L	3
ETI-R10-S-03-113099	30-Nov-99	cis-1,2-Dichloroethene	33	ug/L	3
ETI-R11-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	25	ug/L	1.2
ETI-R11-S-02-113099	30-Nov-99	cis-1,2-Dichloroethene	26	ug/L	1.2
ETI-R11-S-03-113099	30-Nov-99	cis-1,2-Dichloroethene	26	ug/L	1.2
ETI-R12-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	16	ug/L	1.2
ETI-R13-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	13	ug/L	1.2
ETI-R14-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	12	ug/L	1.2
ETI-R1E-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	10	ug/L	1.2
ETI-R2E-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	1.8	ug/L	1.2
ETI-R10-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Dibromofluoromethane	98	%	100
ETI-R10-S-02-113099	30-Nov-99	Dibromofluoromethane	102	%	100
ETI-R10-S-03-113099	30-Nov-99	Dibromofluoromethane	103	%	100
ETI-R11-S-01-113099	30-Nov-99	Dibromofluoromethane	105	%	100
ETI-R11-S-02-113099	30-Nov-99	Dibromofluoromethane	106	%	100
ETI-R11-S-03-113099	30-Nov-99	Dibromofluoromethane	106	%	100
ETI-R12-S-01-113099	30-Nov-99	Dibromofluoromethane	107	%	100

Appendix A-Mound Plume Data, November Sampling Event

Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting Limit
ETI-R13-S-01-113099	30-Nov-99	Dibromofluoromethane	107	%	100
ETI-R14-S-01-113099	30-Nov-99	Dibromofluoromethane	106	%	100
ETI-R1E-S-01-113099	30-Nov-99	Dibromofluoromethane	106	%	100
ETI-R2E-S-01-113099	30-Nov-99	Dibromofluoromethane	106	%	100
ETI-R10-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Ethylbenzene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Ethylbenzene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Fluoride	1.2	mg/L	1
ETI-R11-S-01-113099	30-Nov-99	Fluoride	0.82	mg/L	1
ETI-R12-S-01-113099	30-Nov-99	Fluoride	0.66	mg/L	1
ETI-R13-S-01-113099	30-Nov-99	Fluoride	5.15	mg/L	1
ETI-R13-S-01-113099	30-Nov-99	Fluoride	5.16	mg/L	1
ETI-R13-S-01-113099	30-Nov-99	Fluoride	0.58	mg/L	1
ETI-R14-S-01-113099	30-Nov-99	Fluoride	0.59	mg/L	1
ETI-R1E-S-01-113099	30-Nov-99	Fluoride	0.57	mg/L	1
ETI-R10-S-01-113099	30-Nov-99	Iron	261	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Iron	1130	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Iron	1110	ug/L	100
ETI-R11-S-01-113099	30-Nov-99	Iron	10700	ug/L	100
ETI-R12-S-01-113099	30-Nov-99	Iron	746	ug/L	100
ETI-R13-S-01-113099	30-Nov-99	Iron	476	ug/L	100
ETI-R14-S-01-113099	30-Nov-99	Iron	440	ug/L	100
ETI-R1E-S-01-113099	30-Nov-99	Iron	258	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Magnesium	36500	ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Magnesium	87300	ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Magnesium	86800	ug/L	200
ETI-R11-S-01-113099	30-Nov-99	Magnesium	33400	ug/L	200
ETI-R12-S-01-113099	30-Nov-99	Magnesium	31300	ug/L	200
ETI-R13-S-01-113099	30-Nov-99	Magnesium	33300	ug/L	200
ETI-R14-S-01-113099	30-Nov-99	Magnesium	35600	ug/L	200
ETI-R1E-S-01-113099	30-Nov-99	Magnesium	36200	ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Manganese	591	ug/L	10
ETI-R10-S-01-113099	30-Nov-99	Manganese	583	ug/L	10
ETI-R10-S-01-113099	30-Nov-99	Manganese	87	ug/L	10
ETI-R11-S-01-113099	30-Nov-99	Manganese	105	ug/L	10
ETI-R12-S-01-113099	30-Nov-99	Manganese	52.8	ug/L	10
ETI-R13-S-01-113099	30-Nov-99	Manganese	104	ug/L	10
ETI-R14-S-01-113099	30-Nov-99	Manganese	101	ug/L	10
ETI-R1E-S-01-113099	30-Nov-99	Manganese	106	ug/L	10
ETI-R10-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	12
ETI-R10-S-02-113099	30-Nov-99	Methylene chloride	ND	ug/L	12
ETI-R10-S-03-113099	30-Nov-99	Methylene chloride	ND	ug/L	12
ETI-R11-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R11-S-02-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R11-S-03-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R12-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R13-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R14-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R1E-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R2E-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5

Appendix A-Mound Plume Data, November Sampling Event

Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting Limit
ETI-R10-S-01-113099	30-Nov-99	Nitrate-Nitrite	2.2	mg/L	0.1
ETI-R11-S-01-113099	30-Nov-99	Nitrate-Nitrite	0.032	mg/L	0.1
ETI-R12-S-01-113099	30-Nov-99	Nitrate-Nitrite	ND	mg/L	0.1
ETI-R13-S-01-113099	30-Nov-99	Nitrate-Nitrite	0.024	mg/L	0.1
ETI-R14-S-01-113099	30-Nov-99	Nitrate-Nitrite	0.097	mg/L	0.1
ETI-R1E-S-01-113099	30-Nov-99	Nitrate-Nitrite	ND	mg/L	0.1
ETI-R10-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R11-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R12-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R13-S-01-113099	30-Nov-99	Phosphate as P, Ortho	4.78	mg/L	0.5
ETI-R13-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R13-S-01-113099	30-Nov-99	Phosphate as P, Ortho	4.64	mg/L	0.5
ETI-R14-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R1E-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R10-S-01-113099	30-Nov-99	Potassium	1170	ug/L	5000
ETI-R10-S-01-113099	30-Nov-99	Potassium	48100	ug/L	5000
ETI-R10-S-01-113099	30-Nov-99	Potassium	47700	ug/L	5000
ETI-R11-S-01-113099	30-Nov-99	Potassium	1330	ug/L	5000
ETI-R12-S-01-113099	30-Nov-99	Potassium	1260	ug/L	5000
ETI-R13-S-01-113099	30-Nov-99	Potassium	1390	ug/L	5000
ETI-R14-S-01-113099	30-Nov-99	Potassium	1440	ug/L	5000
ETI-R1E-S-01-113099	30-Nov-99	Potassium	1350	ug/L	5000
ETI-R10-S-01-113099	30-Nov-99	Silica	16300	ug/L	500
ETI-R10-S-01-113099	30-Nov-99	Silica	40200	ug/L	500
ETI-R10-S-01-113099	30-Nov-99	Silica	39600	ug/L	500
ETI-R11-S-01-113099	30-Nov-99	Silica	10800	ug/L	500
ETI-R12-S-01-113099	30-Nov-99	Silica	1930	ug/L	500
ETI-R13-S-01-113099	30-Nov-99	Silica	681	ug/L	500
ETI-R14-S-01-113099	30-Nov-99	Silica	493	ug/L	500
ETI-R1E-S-01-113099	30-Nov-99	Silica	845	ug/L	500
ETI-R10-S-01-113099	30-Nov-99	Sodium	76000	ug/L	5000
ETI-R10-S-01-113099	30-Nov-99	Sodium	124000	ug/L	5000
ETI-R10-S-01-113099	30-Nov-99	Sodium	125000	ug/L	5000
ETI-R11-S-01-113099	30-Nov-99	Sodium	79100	ug/L	5000
ETI-R12-S-01-113099	30-Nov-99	Sodium	78600	ug/L	5000
ETI-R13-S-01-113099	30-Nov-99	Sodium	81400	ug/L	5000
ETI-R14-S-01-113099	30-Nov-99	Sodium	78500	ug/L	5000
ETI-R1E-S-01-113099	30-Nov-99	Sodium	73700	ug/L	5000
ETI-R10-S-01-113099	30-Nov-99	Styrene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Styrene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Styrene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Sulfate	64.7	mg/L	25
ETI-R11-S-01-113099	30-Nov-99	Sulfate	16.8	mg/L	5
ETI-R12-S-01-113099	30-Nov-99	Sulfate	ND	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Sulfate	ND	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Sulfate	23.4	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Sulfate	23.1	mg/L	5
ETI-R14-S-01-113099	30-Nov-99	Sulfate	ND	mg/L	5
ETI-R1E-S-01-113099	30-Nov-99	Sulfate	ND	mg/L	5
ETI-R10-S-01-113099	30-Nov-99	Tetrachloroethene	91	ug/L	3.5

42

Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting Limit
ETI-R10-S-02-113099	30-Nov-99	Tetrachloroethene	78	ug/L	3.5
ETI-R10-S-03-113099	30-Nov-99	Tetrachloroethene	73	ug/L	3.5
ETI-R11-S-01-113099	30-Nov-99	Tetrachloroethene	35	ug/L	1.4
ETI-R11-S-02-113099	30-Nov-99	Tetrachloroethene	37	ug/L	1.4
ETI-R11-S-03-113099	30-Nov-99	Tetrachloroethene	36	ug/L	1.4
ETI-R12-S-01-113099	30-Nov-99	Tetrachloroethene	7.7	ug/L	1.4
ETI-R13-S-01-113099	30-Nov-99	Tetrachloroethene	4.7	ug/L	1.4
ETI-R14-S-01-113099	30-Nov-99	Tetrachloroethene	2.5	ug/L	1.4
ETI-R1E-S-01-113099	30-Nov-99	Tetrachloroethene	1.9	ug/L	1.4
ETI-R2E-S-01-113099	30-Nov-99	Tetrachloroethene	ND	ug/L	1.4
ETI-R10-S-01-113099	30-Nov-99	Toluene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Toluene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Toluene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Toluene	0.1	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Toluene	0.1	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Toluene	0.11	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Toluene	0.15	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Toluene	0.2	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Toluene	0.17	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Toluene	0.13	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Toluene	0.16	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Toluene-d8	102	%	100
ETI-R10-S-02-113099	30-Nov-99	Toluene-d8	99	%	100
ETI-R10-S-03-113099	30-Nov-99	Toluene-d8	97	%	100
ETI-R11-S-01-113099	30-Nov-99	Toluene-d8	96	%	100
ETI-R11-S-02-113099	30-Nov-99	Toluene-d8	96	%	100
ETI-R11-S-03-113099	30-Nov-99	Toluene-d8	96	%	100
ETI-R12-S-01-113099	30-Nov-99	Toluene-d8	97	%	100
ETI-R13-S-01-113099	30-Nov-99	Toluene-d8	97	%	100
ETI-R14-S-01-113099	30-Nov-99	Toluene-d8	97	%	100
ETI-R1E-S-01-113099	30-Nov-99	Toluene-d8	99	%	100
ETI-R2E-S-01-113099	30-Nov-99	Toluene-d8	97	%	100
ETI-R10-S-01-113099	30-Nov-99	Total Alkalinity	410	mg/L	5
ETI-R11-S-01-113099	30-Nov-99	Total Alkalinity	283	mg/L	5
ETI-R12-S-01-113099	30-Nov-99	Total Alkalinity	187	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Total Alkalinity	182	mg/L	5
ETI-R14-S-01-113099	30-Nov-99	Total Alkalinity	185	mg/L	5
ETI-R1E-S-01-113099	30-Nov-99	Total Alkalinity	188	mg/L	5
ETI-R10-S-01-113099	30-Nov-99	TOTAL-URANIUM	12.2	UG/L	
ETI-R10-S-01-113099	30-Nov-99	TOTAL-URANIUM	12.3	UG/L	
ETI-R10-S-02-113099		TOTAL-URANIUM	213	%REC	
ETI-R10-S-02-113099	30-Nov-99	TOTAL-URANIUM	12.5	UG/L	
ETI-R10-S-03-113099	30-Nov-99	TOTAL-URANIUM	12.7	UG/L	
ETI-R11-S-01-113099	30-Nov-99	TOTAL-URANIUM	0.01	UG/L	
ETI-R11-S-02-113099	30-Nov-99	TOTAL-URANIUM	0.0105	UG/L	
ETI-R11-S-03-113099	30-Nov-99	TOTAL-URANIUM	0.00604	UG/L	
ETI-R12-S-01-113099	30-Nov-99	TOTAL-URANIUM	0.00257	UG/L	
ETI-R13-S-01-113099	30-Nov-99	TOTAL-URANIUM	0.00721	UG/L	
ETI-R14-S-01-113099	30-Nov-99	TOTAL-URANIUM	0.00976	UG/L	
ETI-R1E-S-01-113099	30-Nov-99	TOTAL-URANIUM	0.0424	UG/L	
ETI-R10-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	1.2
ETI-R10-S-02-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	1.2
ETI-R10-S-03-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	1.2
ETI-R11-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R11-S-02-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R11-S-03-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R12-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R13-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5

Appendix B – East Trenches Plume Analytical Data

Location	Sample Date	QC Type	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
ET EFFLUENT	11/16/99	REAL	1,1,1,2-TETRACHLOROETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	1,1,1,2-TETRACHLOROETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,1,1,2-TETRACHLOROETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,1,1-TRICHLOROETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	1,1,1-TRICHLOROETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,1,1-TRICHLOROETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,1,2,2-TETRACHLOROETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	1,1,2,2-TETRACHLOROETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,1,2,2-TETRACHLOROETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,1,2-TRICHLOROETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	1,1,2-TRICHLOROETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,1,2-TRICHLOROETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,1-DICHLOROETHANE	1	UG/L		V	1	1
ET EFFLUENT	11/16/99	REAL	1,1-DICHLOROETHANE	1	UG/L	JD		2	2
ET INFLUENT	11/16/99	REAL	1,1-DICHLOROETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,1-DICHLOROETHENE	1	UG/L	JD		2	2
ET EFFLUENT	11/16/99	REAL	1,1-DICHLOROETHENE	1	UG/L		V	1	1
ET INFLUENT	11/16/99	REAL	1,1-DICHLOROETHENE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,1-DICHLOROPROPENE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	1,1-DICHLOROPROPENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,1-DICHLOROPROPENE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,2,3-TRICHLOROBENZENE	2	UG/L	U		2	2
ET EFFLUENT	11/16/99	REAL	1,2,3-TRICHLOROBENZENE	1	UG/L	U	UJ	1	1
ET INFLUENT	11/16/99	REAL	1,2,3-TRICHLOROBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	1,2,3-TRICHLOROPROPANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	1,2,3-TRICHLOROPROPANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,2,3-TRICHLOROPROPANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,2,4-TRICHLOROBENZENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	1,2,4-TRICHLOROBENZENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,2,4-TRICHLOROBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	1,2-DIBROMOETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	1,2-DIBROMOETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,2-DIBROMOETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,2-DICHLOROBENZENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	1,2-DICHLOROBENZENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,2-DICHLOROBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	1,2-DICHLOROETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	1,2-DICHLOROETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,2-DICHLOROETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,2-DICHLOROPROPANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	1,2-DICHLOROPROPANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,2-DICHLOROPROPANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,3-DICHLOROBENZENE	2	UG/L	U		2	2
ET EFFLUENT	11/16/99	REAL	1,3-DICHLOROBENZENE	1	UG/L	U	UJ	1	1
ET INFLUENT	11/16/99	REAL	1,3-DICHLOROBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	1,3-DICHLOROPROPANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	1,3-DICHLOROPROPANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,3-DICHLOROPROPANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	1,4-DICHLOROBENZENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	1,4-DICHLOROBENZENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	1,4-DICHLOROBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	2,2-DICHLOROPROPANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	2,2-DICHLOROPROPANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	2,2-DICHLOROPROPANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	4-ISOPROPYLTOLUENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	4-ISOPROPYLTOLUENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	4-ISOPROPYLTOLUENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	BENZENE	0.8	UG/L	J	J	1	1
ET EFFLUENT	11/16/99	REAL	BENZENE	0.8	UG/L	JD		2	2
ET INFLUENT	11/16/99	REAL	BENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	BENZENE, 1,2,4-TRIMETHYL	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	BENZENE, 1,2,4-TRIMETHYL	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	BENZENE, 1,2,4-TRIMETHYL	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	BENZENE, 1,3,5-TRIMETHYL-	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	BENZENE, 1,3,5-TRIMETHYL-	2	UG/L	U		2	2

45

Appendix B- East Trenches Plume, November and December 1999 Sampling Event

Location	Sample Date	QC Type	Analyte	Result	Unit	Lab Qualifier	Validation Qualilfier	Detection Limit	Dilution Factor
ET INFLUENT	11/16/99	REAL	BENZENE, 1,3,5-TRIMETHYL-	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	BROMOBENZENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	BROMOBENZENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	BROMOBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	BROMOCHLOROMETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	BROMOCHLOROMETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	BROMOCHLOROMETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	BROMODICHLOROMETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	BROMODICHLOROMETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	BROMODICHLOROMETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	BROMOFORM	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	BROMOFORM	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	BROMOFORM	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	BROMOMETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	BROMOMETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	BROMOMETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	CARBON TETRACHLORIDE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	CARBON TETRACHLORIDE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	CARBON TETRACHLORIDE	150	UG/L	J	V	200	200
ET EFFLUENT	11/16/99	REAL	CHLOROBENZENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	CHLOROBENZENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	CHLOROBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	CHLOROETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	CHLOROETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	CHLOROETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	CHLOROFORM	13	UG/L		V	1	1
ET EFFLUENT	11/16/99	REAL	CHLOROFORM	13	UG/L	D		2	2
ET INFLUENT	11/16/99	REAL	CHLOROFORM	110	UG/L	J	V	200	200
ET EFFLUENT	11/16/99	REAL	CHLOROMETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	CHLOROMETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	CHLOROMETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	cis-1,2-DICHLOROETHENE	33	UG/L	E		1	1
ET EFFLUENT	11/16/99	REAL	cis-1,2-DICHLOROETHENE	34	UG/L	D	V	2	2
ET INFLUENT	11/16/99	REAL	cis-1,2-DICHLOROETHENE	31	UG/L	J	V	200	200
ET EFFLUENT	11/16/99	REAL	cis-1,3-DICHLOROPROPENE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	cis-1,3-DICHLOROPROPENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	cis-1,3-DICHLOROPROPENE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	DIBROMOCHLOROMETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	DIBROMOCHLOROMETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	DIBROMOCHLOROMETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	DIBROMOMETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	DIBROMOMETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	DIBROMOMETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	DICHLORODIFLUOROMETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	DICHLORODIFLUOROMETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	DICHLORODIFLUOROMETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	ETHYLBENZENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	ETHYLBENZENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	ETHYLBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	HEXACHLOROBUTADIENE	2	UG/L	U		2	2
ET EFFLUENT	11/16/99	REAL	HEXACHLOROBUTADIENE	1	UG/L	U	V	1	1
ET INFLUENT	11/16/99	REAL	HEXACHLOROBUTADIENE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	ISOPROPYLBENZENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	ISOPROPYLBENZENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	ISOPROPYLBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	METHYLENE CHLORIDE	12	UG/L	B	V	1	1
ET EFFLUENT	11/16/99	REAL	METHYLENE CHLORIDE	10	UG/L	BD		2	2
ET INFLUENT	11/16/99	REAL	METHYLENE CHLORIDE	95	UG/L	JB	JB	200	200
ET EFFLUENT	11/16/99	REAL	NAPHTHALENE	2	UG/L	U		2	2
ET EFFLUENT	11/16/99	REAL	NAPHTHALENE	1	UG/L	U	UJ	1	1
ET INFLUENT	11/16/99	REAL	NAPHTHALENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	n-BUTYLBENZENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	n-BUTYLBENZENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	n-BUTYLBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	n-PROPYLBENZENE	1	UG/L	U	UJ	1	1

46

Location	Sample Date	QC Type	Analyte	Result	Unit	Lab Qualifier	Validation Qualilfier	Detection Limit	Dilution Factor
ET EFFLUENT	11/16/99	REAL	n-PROPYLBENZENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	n-PROPYLBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	o-CHLOROTOLUENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	o-CHLOROTOLUENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	o-CHLOROTOLUENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	p-CHLOROTOLUENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	p-CHLOROTOLUENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	p-CHLOROTOLUENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	PROPANE, 1,2-DIBROMO-3-CHLORO-	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	PROPANE, 1,2-DIBROMO-3-CHLORO-	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	PROPANE, 1,2-DIBROMO-3-CHLORO-	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	sec-BUTYLBENZENE	2	UG/L	U		2	2
ET EFFLUENT	11/16/99	REAL	sec-BUTYLBENZENE	1	UG/L	U	UJ	1	1
ET INFLUENT	11/16/99	REAL	sec-BUTYLBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	STYRENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	STYRENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	STYRENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	tert-BUTYLBENZENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	tert-BUTYLBENZENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	tert-BUTYLBENZENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	TETRACHLOROETHENE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	TETRACHLOROETHENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	TETRACHLOROETHENE	300	UG/L		V	200	200
ET EFFLUENT	11/16/99	REAL	TOLUENE	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	TOLUENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	TOLUENE	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	TOTAL XYLENES	1	UG/L	U	UJ	1	1
ET EFFLUENT	11/16/99	REAL	TOTAL XYLENES	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	TOTAL XYLENES	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	trans-1,2-DICHLOROETHENE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	trans-1,2-DICHLOROETHENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	trans-1,2-DICHLOROETHENE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	trans-1,3-DICHLOROPROPENE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	trans-1,3-DICHLOROPROPENE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	trans-1,3-DICHLOROPROPENE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	TRICHLOROETHENE	4	UG/L		V	1	1
ET EFFLUENT	11/16/99	REAL	TRICHLOROETHENE	4	UG/L	D		2	2
ET INFLUENT	11/16/99	REAL	TRICHLOROETHENE	3600	UG/L		V	200	200
ET EFFLUENT	11/16/99	REAL	TRICHLOROFLUOROMETHANE	1	UG/L	U	V	1	1
ET EFFLUENT	11/16/99	REAL	TRICHLOROFLUOROMETHANE	2	UG/L	U		2	2
ET INFLUENT	11/16/99	REAL	TRICHLOROFLUOROMETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL	VINYL CHLORIDE	1	UG/L	J	V	1	1
ET EFFLUENT	11/16/99	REAL	VINYL CHLORIDE	0.7	UG/L	JD		2	2
ET INFLUENT	11/16/99	REAL	VINYL CHLORIDE	200	UG/L	U	V	200	200
ET EFFLUENT	12/6/99	REAL	1,1,1,2-TETRACHLOROETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	1,1,1,2-TETRACHLOROETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,1,1,2-TETRACHLOROETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,1,1-TRICHLOROETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	1,1,1-TRICHLOROETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,1,1-TRICHLOROETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,1,2,2-TETRACHLOROETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	1,1,2,2-TETRACHLOROETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,1,2,2-TETRACHLOROETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,1,2-TRICHLOROETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	1,1,2-TRICHLOROETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,1,2-TRICHLOROETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,1-DICHLOROETHANE	2	UG/L	J	V	2	2
ET INFLUENT	12/6/99	REAL	1,1-DICHLOROETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,1-DICHLOROETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,1-DICHLOROETHENE	0.9	UG/L	J	V	2	2
ET INFLUENT	12/6/99	REAL	1,1-DICHLOROETHENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,1-DICHLOROETHENE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,1-DICHLOROPROPENE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	1,1-DICHLOROPROPENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,1-DICHLOROPROPENE	100	UG/L	U	V	100	100

47

Appendix B- East Trenches Plume, November and December 1999 Sampling Event

Location	Sample Date	QC Type	Analyte	Result	Unit	Lab Qualifier	Validation Qualilfier	Detection Limit	Dilution Factor
ET EFFLUENT	12/6/99	REAL	1,2,3-TRICHLOROBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	1,2,3-TRICHLOROBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,2,3-TRICHLOROBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	1,2,3-TRICHLOROPROPANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	1,2,3-TRICHLOROPROPANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,2,3-TRICHLOROPROPANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,2,4-TRICHLOROBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	1,2,4-TRICHLOROBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,2,4-TRICHLOROBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	1,2-DIBROMOETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	1,2-DIBROMOETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,2-DIBROMOETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,2-DICHLOROBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	1,2-DICHLOROBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,2-DICHLOROBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	1,2-DICHLOROETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	1,2-DICHLOROETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,2-DICHLOROETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,2-DICHLOROPROPANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	1,2-DICHLOROPROPANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,2-DICHLOROPROPANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,3-DICHLOROBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	1,3-DICHLOROBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,3-DICHLOROBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	1,3-DICHLOROPROPANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	1,3-DICHLOROPROPANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,3-DICHLOROPROPANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	1,4-DICHLOROBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	1,4-DICHLOROBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	1,4-DICHLOROBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	2,2-DICHLOROPROPANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	2,2-DICHLOROPROPANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	2,2-DICHLOROPROPANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	4-ISOPROPYLTOLUENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	4-ISOPROPYLTOLUENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	4-ISOPROPYLTOLUENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	BENZENE	0.8	UG/L	J	J	2	2
ET INFLUENT	12/6/99	REAL	BENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	BENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	BENZENE, 1,2,4-TRIMETHYL	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	BENZENE, 1,2,4-TRIMETHYL	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	BENZENE, 1,2,4-TRIMETHYL	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	BENZENE, 1,3,5-TRIMETHYL-	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	BENZENE, 1,3,5-TRIMETHYL-	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	BENZENE, 1,3,5-TRIMETHYL-	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	BROMOBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	BROMOBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	BROMOBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	BROMOCHLOROMETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	BROMOCHLOROMETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	BROMOCHLOROMETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	BROMODICHLOROMETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	BROMODICHLOROMETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	BROMODICHLOROMETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	BROMOFORM	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	BROMOFORM	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	BROMOFORM	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	BROMOMETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	BROMOMETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	BROMOMETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	CARBON TETRACHLORIDE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	CARBON TETRACHLORIDE	160	UG/L	JD		200	200
ET INFLUENT	12/6/99	REAL	CARBON TETRACHLORIDE	170	UG/L		V	100	100
ET EFFLUENT	12/6/99	REAL	CHLOROBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	CHLOROBENZENE	200	UG/L	U		200	200

18

Appendix B- East Trenches Plume, November and December 1999 Sampling Event

Location	Sample Date	QC Type	Analyte	Result	Unit	Lab Qualifier	Validation Qualilfier	Detection Limit	Dilution Factor
ET INFLUENT	12/6/99	REAL	CHLOROBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	CHLOROETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	CHLOROETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	CHLOROETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	CHLOROFORM	16	UG/L		V	2	2
ET INFLUENT	12/6/99	REAL	CHLOROFORM	100	UG/L	JD		200	200
ET INFLUENT	12/6/99	REAL	CHLOROFORM	100	UG/L		V	100	100
ET EFFLUENT	12/6/99	REAL	CHLOROMETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	CHLOROMETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	CHLOROMETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	cis-1,2-DICHLOROETHENE	38	UG/L		V	2	2
ET INFLUENT	12/6/99	REAL	cis-1,2-DICHLOROETHENE	24	UG/L	JD		200	200
ET INFLUENT	12/6/99	REAL	cis-1,2-DICHLOROETHENE	25	UG/L	J	V	100	100
ET EFFLUENT	12/6/99	REAL	cis-1,3-DICHLOROPROPENE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	cis-1,3-DICHLOROPROPENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	cis-1,3-DICHLOROPROPENE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	DIBROMOCHLOROMETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	DIBROMOCHLOROMETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	DIBROMOCHLOROMETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	DIBROMOMETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	DIBROMOMETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	DIBROMOMETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	DICHLORODIFLUOROMETHANE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	DICHLORODIFLUOROMETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	DICHLORODIFLUOROMETHANE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	ETHYLBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	ETHYLBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	ETHYLBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	HEXACHLOROBUTADIENE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	HEXACHLOROBUTADIENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	HEXACHLOROBUTADIENE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	ISOPROPYLBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	ISOPROPYLBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	ISOPROPYLBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	METHYLENE CHLORIDE	11	UG/L	B	V	2	2
ET INFLUENT	12/6/99	REAL	METHYLENE CHLORIDE	170	UG/L	JBD		200	200
ET INFLUENT	12/6/99	REAL	METHYLENE CHLORIDE	130	UG/L	B	U	100	100
ET EFFLUENT	12/6/99	REAL	NAPHTHALENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	NAPHTHALENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	NAPHTHALENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	n-BUTYLBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	n-BUTYLBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	n-BUTYLBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	n-PROPYLBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	n-PROPYLBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	n-PROPYLBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	o-CHLOROTOLUENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	o-CHLOROTOLUENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	o-CHLOROTOLUENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	p-CHLOROTOLUENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	p-CHLOROTOLUENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	p-CHLOROTOLUENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	PROPANE, 1,2-DIBROMO-3-CHLORO-	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	PROPANE, 1,2-DIBROMO-3-CHLORO-	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	PROPANE, 1,2-DIBROMO-3-CHLORO-	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	sec-BUTYLBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	sec-BUTYLBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	sec-BUTYLBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	STYRENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	STYRENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	STYRENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	tert-BUTYLBENZENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	tert-BUTYLBENZENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	tert-BUTYLBENZENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	TETRACHLOROETHENE	2	UG/L	U	V	2	2

Appendix B- East Trenches Plume, November and December 1999 Sampling Event

Location	Sample Date	QC Type	Analyte	Result	Unit	Lab Qualifier	Validation Qualilfier	Detection Limit	Dilution Factor
ET INFLUENT	12/6/99	REAL	TETRACHLOROETHENE	260	UG/L	D		200	200
ET INFLUENT	12/6/99	REAL	TETRACHLOROETHENE	280	UG/L		V	100	100
ET EFFLUENT	12/6/99	REAL	TOLUENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	TOLUENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	TOLUENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	TOTAL XYLENES	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	TOTAL XYLENES	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	TOTAL XYLENES	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	trans-1,2-DICHLOROETHENE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	trans-1,2-DICHLOROETHENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	trans-1,2-DICHLOROETHENE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	trans-1,3-DICHLOROPROPENE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	trans-1,3-DICHLOROPROPENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	trans-1,3-DICHLOROPROPENE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	TRICHLOROETHENE	2	UG/L	J	V	2	2
ET INFLUENT	12/6/99	REAL	TRICHLOROETHENE	3200	UG/L	D	V	200	200
ET INFLUENT	12/6/99	REAL	TRICHLOROETHENE	3300	UG/L	E		100	100
ET EFFLUENT	12/6/99	REAL	TRICHLOROFLUOROMETHANE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	TRICHLOROFLUOROMETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	TRICHLOROFLUOROMETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	VINYL CHLORIDE	0.9	UG/L	J	V	2	2
ET INFLUENT	12/6/99	REAL	VINYL CHLORIDE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	VINYL CHLORIDE	100	UG/L	U	V	100	100

50

Appendix B - East Trenches Plume, January Sampling Event

Location	Sample Date	QC Type	Analyte	Result Type	Result	Unit	Lab Qualifier	Detection Limit	Dilution Factor	Validation Qualifier
ET EFFLUENT	1/18/00	REAL	1,1,1,2-TETRACHLOROETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	1,1,1,2-TETRACHLOROETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,1,1,2-TETRACHLOROETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	1,1,1-TRICHLOROETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	1,1,1-TRICHLOROETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,1,1-TRICHLOROETHANE	TR1	10	UG/L	J	100	100	V
ET EFFLUENT	1/18/00	REAL	1,1,2,2-TETRACHLOROETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	1,1,2,2-TETRACHLOROETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,1,2,2-TETRACHLOROETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	1,1,2-TRICHLOROETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	1,1,2-TRICHLOROETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,1,2-TRICHLOROETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	1,1-DICHLOROETHANE	TR1	2	UG/L	J	2	2	V
ET INFLUENT	1/18/00	REAL	1,1-DICHLOROETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,1-DICHLOROETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	1,1-DICHLOROETHENE	TR1	0.8	UG/L	J	2	2	V
ET INFLUENT	1/18/00	REAL	1,1-DICHLOROETHENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,1-DICHLOROETHENE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	1,1-DICHLOROPROPENE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	1,1-DICHLOROPROPENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,1-DICHLOROPROPENE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	1,2,3-TRICHLOROBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	1,2,3-TRICHLOROBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,2,3-TRICHLOROBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	1,2,3-TRICHLOROPROPANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	1,2,3-TRICHLOROPROPANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,2,3-TRICHLOROPROPANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	1,2,4-TRICHLOROBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	1,2,4-TRICHLOROBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,2,4-TRICHLOROBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	1,2-DIBROMOETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	1,2-DIBROMOETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,2-DIBROMOETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	1,2-DICHLOROBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	1,2-DICHLOROBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,2-DICHLOROBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	1,2-DICHLOROPROPANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	1,2-DICHLOROPROPANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,2-DICHLOROPROPANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	1,3-DICHLOROBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	1,3-DICHLOROBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,3-DICHLOROBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	1,3-DICHLOROPROPANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	1,3-DICHLOROPROPANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,3-DICHLOROPROPANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	1,4-DICHLOROBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	1,4-DICHLOROBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	1,4-DICHLOROBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	2,2-DICHLOROPROPANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	2,2-DICHLOROPROPANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	2,2-DICHLOROPROPANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	4-ISOPROPYLTOLUENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	4-ISOPROPYLTOLUENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	4-ISOPROPYLTOLUENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	BENZENE	TR1	0.7	UG/L	J	2	2	J
ET INFLUENT	1/18/00	REAL	BENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	BENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	BENZENE, 1,2,4-TRIMETHYL	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	BENZENE, 1,2,4-TRIMETHYL	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	BENZENE, 1,2,4-TRIMETHYL	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	BENZENE, 1,3,5-TRIMETHYL-	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	BENZENE, 1,3,5-TRIMETHYL-	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	BENZENE, 1,3,5-TRIMETHYL-	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	BROMOBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	BROMOBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	BROMOBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	BROMOCHLOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	BROMOCHLOROMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	BROMOCHLOROMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	BROMODICHLOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	BROMODICHLOROMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	BROMODICHLOROMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	BROMOFORM	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	BROMOFORM	TR2	500	UG/L	U	500	500	

51

Appendix B - East Trenches Plume, January Sampling Event

Location	Sample Date	QC Type	Analyte	Result Type	Result	Unit	Lab Qualifier	Detection Limit	Dilution Factor	Validation Qualifier
ET INFLUENT	1/18/00	REAL	BROMOFORM	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	BROMOMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	BROMOMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	BROMOMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	CARBON TETRACHLORIDE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	CARBON TETRACHLORIDE	TR2	160	UG/L	JD	500	500	
ET INFLUENT	1/18/00	REAL	CARBON TETRACHLORIDE	TR1	200	UG/L		100	100	V
ET EFFLUENT	1/18/00	REAL	CHLOROBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	CHLOROBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	CHLOROBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	CHLOROETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	CHLOROETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	CHLOROETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	CHLOROFORM	TR1	15	UG/L		2	2	V
ET INFLUENT	1/18/00	REAL	CHLOROFORM	TR2	110	UG/L	JD	500	500	
ET INFLUENT	1/18/00	REAL	CHLOROFORM	TR1	110	UG/L		100	100	V
ET EFFLUENT	1/18/00	REAL	CHLOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	CHLOROMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	CHLOROMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	cis-1,2-DICHLOROETHENE	TR1	32	UG/L		2	2	V
ET INFLUENT	1/18/00	REAL	cis-1,2-DICHLOROETHENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	cis-1,2-DICHLOROETHENE	TR1	29	UG/L	J	100	100	V
ET EFFLUENT	1/18/00	REAL	cis-1,3-DICHLOROPROPENE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	cis-1,3-DICHLOROPROPENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	cis-1,3-DICHLOROPROPENE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	DIBROMOCHLOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	DIBROMOCHLOROMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	DIBROMOCHLOROMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	DIBROMOMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	DIBROMOMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	DIBROMOMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	DICHLORODIFLUOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	DICHLORODIFLUOROMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	DICHLORODIFLUOROMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	ETHYLBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	ETHYLBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	ETHYLBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	HEXACHLOROBUTADIENE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	HEXACHLOROBUTADIENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	HEXACHLOROBUTADIENE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	ISOPROPYLBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	ISOPROPYLBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	ISOPROPYLBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	METHYLENE CHLORIDE	TR1	12	UG/L	B	2	2	J
ET INFLUENT	1/18/00	REAL	METHYLENE CHLORIDE	TR2	280	UG/L	BJD	500	500	
ET INFLUENT	1/18/00	REAL	METHYLENE CHLORIDE	TR1	48	UG/L	JB	100	100	JB
ET EFFLUENT	1/18/00	REAL	NAPHTHALENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	NAPHTHALENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	NAPHTHALENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	n-BUTYLBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	n-BUTYLBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	n-BUTYLBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	n-PROPYLBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	n-PROPYLBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	n-PROPYLBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	o-CHLOROTOLUENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	o-CHLOROTOLUENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	o-CHLOROTOLUENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	p-CHLOROTOLUENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	p-CHLOROTOLUENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	p-CHLOROTOLUENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	PROPANE, 1,2-DIBROMO-3-CHLORO	TR1	2	UG/L	U	2	2	R
ET INFLUENT	1/18/00	REAL	PROPANE, 1,2-DIBROMO-3-CHLORO	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	PROPANE, 1,2-DIBROMO-3-CHLORO	TR1	100	UG/L	U	100	100	R
ET EFFLUENT	1/18/00	REAL	sec-BUTYLBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	sec-BUTYLBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	sec-BUTYLBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	STYRENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	STYRENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	STYRENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	tert-BUTYLBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	tert-BUTYLBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	tert-BUTYLBENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	TETRACHLOROETHENE	TR1	2	UG/L	U	2	2	V

Appendix B - East Trenches Plume, January Sampling Event

Location	Sample Date	QC Type	Analyte	Result Type	Result	Unit	Lab Qualifier	Detection Limit	Dilution Factor	Validation Qualifier
ET INFLUENT	1/18/00	REAL	TETRACHLOROETHENE	TR2	300	UG/L	JD	500	500	
ET INFLUENT	1/18/00	REAL	TETRACHLOROETHENE	TR1	320	UG/L		100	100	V
ET EFFLUENT	1/18/00	REAL	TOLUENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	TOLUENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	TOLUENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	TOTAL XYLENES	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00	REAL	TOTAL XYLENES	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	TOTAL XYLENES	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	trans-1,2-DICHLOROETHENE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	trans-1,2-DICHLOROETHENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	trans-1,2-DICHLOROETHENE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	trans-1,3-DICHLOROPROPENE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	trans-1,3-DICHLOROPROPENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	trans-1,3-DICHLOROPROPENE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	TRICHLOROETHENE	TR1	1	UG/L	J	2	2	V
ET INFLUENT	1/18/00	REAL	TRICHLOROETHENE	TR2	3500	UG/L	D	500	500	V
ET INFLUENT	1/18/00	REAL	TRICHLOROETHENE	TR1	3700	UG/L	E	100	100	
ET EFFLUENT	1/18/00	REAL	TRICHLOROFLUOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	TRICHLOROFLUOROMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	TRICHLOROFLUOROMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00	REAL	VINYL CHLORIDE	TR1	0.9	UG/L	J	2	2	V
ET INFLUENT	1/18/00	REAL	VINYL CHLORIDE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00	REAL	VINYL CHLORIDE	TR1	100	UG/L	U	100	100	V